

## Exam Questions 1Z0-450

Oracle Application Express 3.2: Developing Web Applications

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#### NEW QUESTION 1

ABC company wants to set up his email accounts using APEX and wants to eliminate nulls before they are receiving. How to do that?

- A. Use SQL query
- B. Use authorization scheme
- C. Use dynamic action
- D. Use validation
- E. Use the help tab

**Answer:** D

#### NEW QUESTION 2

You can set the value of an item in your application by using which four methods?

- A. Form submission
- B. By using built-in substitution strings
- C. Using bind variables to reference session state of a specified item
- D. Application or page computations
- E. By invoking the f procedure in an HTTP request

**Answer:** ABDE

#### Explanation:

A: When the page is submitted, Oracle Application Express captures the value entered in the field and stores the value for future use.

B: You can use substitution strings in Application Builder in the following ways:

\* Include a substitution string within a template to reference component values

\* Reference page or application items using &ITEM. syntax

\* Use built-in substitution strings to achieve a specific type of functionality

Application Builder supports a number of built-in substitution strings. You may need to reference these values to achieve specific types of functionality.

Example: APP\_SESSIONAPP\_SESSION is one of the most commonly used built-in substitution strings. You can use this substitution string to create hypertext links between application pages that maintain a session state by passing the session number. Note that you can also use the substitution string SESSION in place of APP\_SESSION.

E: The "f" procedure is widely known and well covered in the Oracle APEX User Guide. The following example resets the value of the items THE\_EMPNO and THE\_DEPTNO. f?p=100:5:&APP\_SESSION.:NO:THE\_EMPNO,THE\_DEPTNO

Note:

It can be used to create links between pages in your application using the following syntax:

f?p=App:Page:Session:Request:Debug:ClearCache:itemNames:itemValues:PrinterFriendly

#### NEW QUESTION 3

What is page zero used for?

- A. To perform page processing
- B. To maintain session state values
- C. To translate application
- D. As a default login page
- E. To display a set of items or buttons on all pages in the application

**Answer:** E

#### Explanation:

Page type: Page Zero

Description: A page zero that functions as a master page. The Application Express engine renders all components you add to page zero

on every page within your application. You can further control whether the Application Express engine renders a component or runs a computation, validation, or process by defining conditions.

Reference: Oracle Application Express, Application Builder User's Guide, Release 3.2

#### NEW QUESTION 4

You have 5 buttons in a region. These buttons are of style "HTML Button". Each button is of a different size (depending on the name of the button). How will you ensure that all the buttons are of the same size (150 pixels) and they look uniform?

- A. Set the button attribute for each button to style "width: 150px".
- B. The size of an HTML Button is always decided based on the label of the button.
- C. Select the button type as "Template Driven". Choose the same template for each button.
- D. Change the button style to "Image"
- E. Create an image-based button of same size for each of the buttons and use them in the application.

**Answer:** A

#### NEW QUESTION 5

Where would you specify data load scripts that need to run as part of installing your application?

- A. Supporting Objects > Build Options
- B. Supporting Objects > Substitutions
- C. Supporting Objects > Installation Scripts
- D. Supporting Objects > Prerequisites

E. Supporting Objects > System Requirements

**Answer:** C

#### NEW QUESTION 6

You are testing a customer entry form that is part of an Order Processing application. When you open the form the first time, enter data, and click 'Submit', a message "Action Processed" is displayed and data is inserted into the underlying table. However, when you open the page again, it displays old data In place of a blank new form. How do you ensure that a blank form is displayed so that you can enter new customer data?

- A. Modify the branch for the "Submit" button to clear the cache for the page or items on the page.
- B. Select "Always, replacing any existing value in session state" from Source Used field for each form item on the page.
- C. Set Caching to "Not Cached" for the region that hosts the customer entry form.
- D. Set Caching to "Not Cached" for the page that hosts the customer entry form.
- E. Set the "Maintain session state" item property to "Per Session".

**Answer:** B

#### NEW QUESTION 7

Which two are true about creating interactive reports?

- A. A form and Interactive' -report can be created at the same time,
- B. An interactive report must be baseiHHp SQL Query.
- C. All the columns must be shown in the Interactive repor
- D. D . Only one interactive report can be defined on a page.
- E. More than one Interactive report can be viewed on a pag

**Answer:** AD

#### NEW QUESTION 8

You currently have all your users set up in a directory. Which authentication scheme would you select to check the username and password in the directory?

- A. Database Account credentials, from the pre-configured schemes.
- B. Database Access Descriptor (DA
- C. credentials verification, from the pre-configured schemes.
- D. Single Sign On authentication, from the pre-configured schemes.
- E. LDAP credentials verification, from the preconfigured schemes.
- F. Authentication scheme from scratch using the APP-USER function to check for the username and passwor

**Answer:** D

#### NEW QUESTION 9

Which two actions are true about creating a form based on a table with a report?

- A. This wizard builds two pages, the first page for the report and the second page for the form.
- B. The first page provides users with the ability to update the selected table or view.
- C. This report and form combination is based on a single table or view.
- D. The second page enables users to specify the row to be updated.
- E. This report and form combination can be based on more than one table or vie

**Answer:** AC

#### Explanation:

A: Form Page Type: Form on a Table with Report

Descriptipon: Creates two pages. One page displays a report. Each row provides a link to the second page to enable users to update each record.

C (not E): Form on a Table with Report.

This option creates two pages, a report and form, based on a single table or view.

#### NEW QUESTION 10

Your manager has asked you to not allow any calculations when viewing an interactive report. Which action would you perform to satisfy this requirement?

- A. Deselect the Compute and Aggregate actions from the Search Bar while running the report.
- B. Uncheck the Compute and Aggregate options from the Search Bar section within Report Attributes definition.
- C. Click Reset from the Actions Menu after deselecting the Compute and Aggregate options.
- D. Change the column attribute that contains the link specification to remove the Compute and Aggregate options from the Search Bar.
- E. Remove the Compute and Aggregate options when creating the interactive repor

**Answer:** E

#### Explanation:

Do not include calculated or aggregated columns in the Report.

#### NEW QUESTION 10

User Details form page is page 1 in your application. On this page the end user is required to provide his Name and Address details- You need to create a validation that requires the end user to enter a province if the country is not the United States (US).

Which action needs to be performed?

- A. Create a validation of type SQL and enter the following in the validation method; SELECT 1 FROM CUSTOMERSWHERE COUNTRY= 'US' AMD PROVINCE IS NULL
- B. Create a validation of type PL/SQL Function Returning Boolean and enter the following in the validation method:BEGINIF :P1\_COUNTRY = 'US' AMD : PI\_PROVINCE IS NULL THEN RETURN FALSE; ELSERETURN TRUE; END IF; END;
- C. Create a validation of type PL/SQL Function Returning Boolean and enter the following in the validation method;beginIF :P1\_COUNTRY != 'US' AND ; PI\_PROVINCE IS NULL THEN RETURN FALSE; ELSERETURN TRUE; END IF; END;

**Answer:** C

#### NEW QUESTION 12

ABC Company wants to change the font color of a Region Title to blue. Which two actions could be performed to accomplish this task?

- A. Use a standard class in the template definition for #TTTL£#.
- B. Add a font tag around the substitution #TITLE# found in the region template definition.
- C. Reference a class from a cascading style sheet that changes the text color to the desired color and apply that class in the HTML that immediately precedes the substitution #TITLE# found hi the region template definition.
- D. Add a font class that contains the desired color to the Region Header field in the Region Definition.
- E. Add an APEX standard class to the header for the page.

**Answer:** BC

#### NEW QUESTION 14

Which two actions are true about creating lists?

- A. you can track clicks on list entries.
- B. All list templates support hierarchical lists.
- C. Once created; you cannot update the parents of list entries.
- D. you can edit multiple list entries simultaneously.
- E. You can add to a list directly from the page definition pag

**Answer:** DE

#### Explanation:

D: You can edit multiple list entries simultaneously by clicking Grid Edit on the List Entries page.

E:

To add a list to a page:

1. Navigate to the appropriate Page Definition.

2. On the Page Definition, add a list region:

\*Tree view - Under Page Rendering, right-click Regions and select Create. \* Component view - Under Region, click the Create icon.

The Create Region Wizard appears.

3. For Region, select List as the region type and click Next.

4. For Display Attributes, specify the following and click Next Etc.

Reference: Oracle Application Express, Application Builder User's Guide, Release 3.2, Creating Lists

#### NEW QUESTION 15

You created a page that includes a form based on a Table along with associated Report. When you click the "Create" button in the report page, the form appears. You observe that you are unable to view P2\_SALARY item. How do you make sure that you can view and enter a value through this form?

- A. Do nothin
- B. The Create Form wizard assumes that a sequence, trigger, or both will populate the primary key of the for
- C. It therefore has to remain as a hidden item.
- D. Change the type of P2\_SALARY to display only.
- E. Change the type of P2\_SALARY to text.
- F. Change the type of P2\_SALARY to text and add a computation to populate the ite

**Answer:** C

#### Explanation:

A text field must be used to allow the user to enter data.

#### NEW QUESTION 19

ABC Company wants to see which pages use the Reports - Standard template in a particular application. What three actions can be performed to find this information?

- A. Open each page in the application and review the templates section.
- B. Open the template and review the pages it references.
- C. Select the Utilization tab and view the pages referenced from the Shared Components > Templates page.
- D. Select the references link for the template on the > Template page.
- E. Preview the template to see the list of pages that reference i

**Answer:** ACD

#### Explanation:

A: This is an awkward and time consuming solution. C: Viewing Template Reports

Application Builder includes reports describing template utilization, subscription, published templates and edit history.



To view template reports for the current application:

? Navigate to the Templates page.

? You can narrow the display by making a selection from the following lists and clicking Go.

? To view template reports, click the following tabs:

Reference: Oracle Application Express Application Builder User's Guide, Viewing Template Reports

#### NEW QUESTION 22

Before the application Installation can proceed, the Installer checks whether the user has required system privileges or not. Where would you specify the required system privileges?

- A. Supporting Objects > Build Options
- B. Supporting Objects > Validations
- C. Supporting Objects > Install
- D. Supporting Objects > Prerequisites
- E. Supporting Objects > System Requirements

**Answer:** D

#### NEW QUESTION 27

Values of which three items can be set from the Print Attributes page of a SQL Query report?

- A. View report as an attachment or inside the browser window.
- B. Report output format.
- C. Print server port.
- D. Report column width.
- E. Report column headin

**Answer:** ABD

#### Explanation:

A: View File As - Select how the Web browser opens the report query document.

Options include:

– Attachment - Displays a File Open/Save dialog box when the user clicks the report query download button.

– Inline - Displays the report query document inside the Browser window. B: Output Format - Select an output option.

D: Under Report Columns, specify the width for each column.

Reference: Oracle Application Express, Application Builder User's Guide, Release 3.2, Configuring Classic Report Region Print Attributes

#### NEW QUESTION 30

You can create List of Values for which five types of page items?

- A. Date Picker
- B. Select List
- C. Check Box
- D. Text Area
- E. Radio Group
- F. Shuttle
- G. Multiple Select list

**Answer:** BCEFG

#### Explanation:

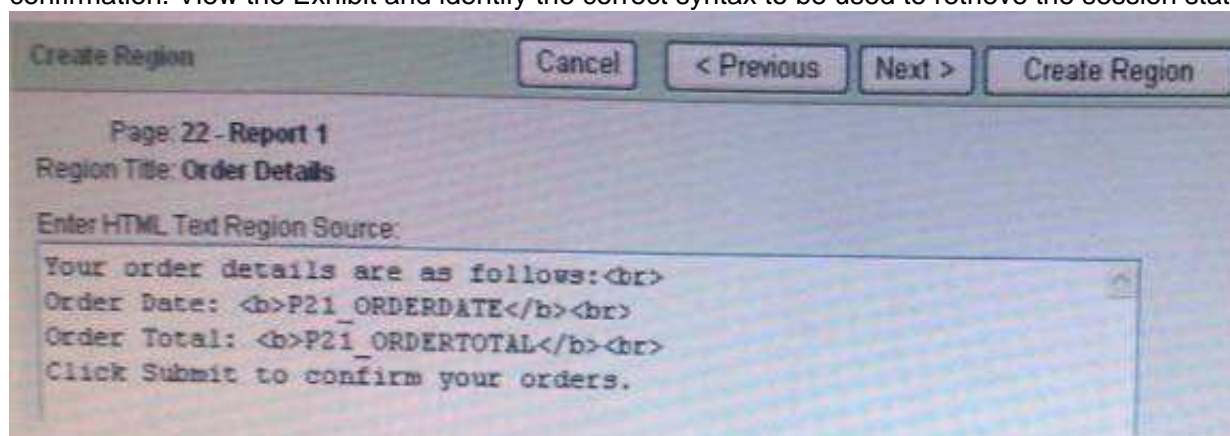
A list of values (LOV) is a static or dynamic set of values used to display a specific type of page item, such as popup lists of values, a select list (B), a check box (C), a radio group (E), or multiple select lists (G).

Note: Shuttle:

Renders as a multiple select list that includes two boxes containing lists. The left list displays a source list of values. Users use the shuttle control icons and buttons to select list items and move them from the left (source) list to the right (destination) list.

#### NEW QUESTION 32

An Order Processing form retrieves order details from the user on page 21. The order details should be displayed in a summarized format on page 22 for confirmation. View the Exhibit and identify the correct syntax to be used to retrieve the session state.



A. :P21\_ORDERDATE and: P21\_ORDERTOTAL

- B. V ('P21\_ORDERDAT
- C. and V (P21\_ORDERTOTAL)
- D. &P21\_QRDERDAT
- E. And &P21\_ORDERTOTAL.
- F. NV ('P21\_ORDERDATE') and NV ('P21\_ORDERTOTAL')

**Answer:** C

#### NEW QUESTION 34

The Interactive Report is displayed in Exhibit 2



Which combination of three actions would need to take place to create the interactive report?

- A. Create an Interactive Report region to show the list of EMPLOYEES and PRODUCTS based on the Customer ID.
- B. Create an Interactive Report region that contains a query between the CUSTOMERS, EMPLOYEES, PRODUCTS and SALES table.
- C. Create an SQL Report region that contains a query between the CUSTOMERS, PRODUCTS and SALES tables only.
- D. Create a filter on Customer FIRST\_NAME and LAST\_NAME.
- E. Create a Control Break on Sales Representative.
- F. Concatenate FIRST\_NAME and LAST NAME for both CUSTOMERS and EMPLOYEES in the quer

**Answer:** BEF

#### Explanation:

B: The report needs to access data from all four tables.

E: You can create a break group of one or several columns by selecting Control Break from the Actions menu. Creating a break group pulls the columns out of the interactive report and displays them as a master record.

F: The concatenated names of the Sales Representative (from Employee table) and the concatenated names of Customers are used.

Note: Interactive reports include components that enable users to alter the layout of report data. Users can select columns, create filters, apply highlighting, sort columns, define break groups, aggregate columns, create charts, and define computations. Once customized, users can then save an interactive report as named report and download the data to various file formats.

#### NEW QUESTION 37

Which three are valid process types of a Page Process?

- A. Automatic Row Processing (DML)
- B. PL/SQL
- C. Clear Cache for Items (ITEM, ITEM, ITEM)
- D. Static Assignment
- E. Form Pagination

**Answer:** ABE

#### Explanation:

A: Process Category Data Manipulation:

Data Manipulation process types are frequently used by wizards to support data manipulation language (DML) actions. Application Builder supports the following declarative

B: Process Category PL/SQL:

Runs the PL/SQL you provide. Use this process type to execute a block of PL/SQL entered directly into the process or to simply call an existing API.

E: Process Category: Form Pagination

Implements pagination through the detail records associated with a master detail form.

Note: Processes are logic controls used to execute data manipulation language (DML) or PL/SQL. Processes are executed after the page is submitted.

Reference: Oracle Application Express, Application Builder User's Guide, Release 3.2, Creating a Page Process

#### NEW QUESTION 38

In your application both page 2 and page 4 branches to page 5. Page 5 has a Cancel button which currently redirects to page 2, however it should redirect to either page 2 or page 4 depending on the originating page. Which three actions need to be performed?

- A. Create two application items: LAST\_PAGE and CURRENT\_PAGE.
- B. Create an application computation on item LAST\_PAGE, computation point Before Header, type PL/SQL Function Body and the computation body as:  
BEGIN:LAST\_PAGE := nvl(:CURKENT\_PAGE, :APP\_PAGE\_I
- C. ; :CURRENT\_PAGE := ;APP\_PAGE\_ID; RETURN :LAST\_PAGE; END;
- D. Create an application computation on Item LAST\_PAGE, computation point After Submit, type PL/SQL Function Body and the computation body as:BEGIN:LAST\_PAGE := :CURRENT\_PAGE; :CURRENT\_PAGE := :APP\_PAGE\_ID; RETURN :LAST\_PAGE; END;
- E. On page 5 create a validation to check whether the value stored in application item LAST\_PAGE is equal to the value of APP\_PREVJ\_PAGE\_ID where APPJ>REV\_PAGE\_ID is Built-in Substitution String in Oracle APEX that stores the number of calling page.
- F. On page 5 use the value stored in application item LAST\_PAGE to go back to the page from which you browsed to the current page.

**Answer:** ABE

#### NEW QUESTION 40

You have a complex form that you want to break down into smaller sections with a horizontal line and a label in "bold". Which action achieves the stated objective?

- A. Include <br> <hr> <strong > </strong> tags In Region Source section of the region
- B. Place a Stop and start table item between form elements and set the label for each of these Stop and start table item using a label template
- C. Include multiple <br> tags between form elements
- D. Change the region template to "Form Region"

**Answer:** B

#### NEW QUESTION 44

Marcie, Lauren, and Nancy are part of a project team to create an Inventory Application for ABC industries. The team members need to perform the following activities daily:

- Marcie: Modify application, manage user groups, and view usage reports of her workspace
- Nancy: Manage workspaces, and approve storage requests
- Lauren: Modify database objects, view session state and view application reports. What privileges would you assign to these three users?

- A. Marcie: Developer, Nancy: Developer, Lauren: Workspace Administrator
- B. Marcie: Workspace Administrator, Nancy: Developer, Lauren: Developer
- C. Marcie: Application Express Administrator, Nancy: Workspace Administrator, Lauren: Developer
- D. Marcie: Workspace Administrator, Nancy: Application Express Administrator, Lauren: Developer
- E. Marcie: Workspace Administrator, Nancy: Workspace Administrator, Lauren: Developer

**Answer:** C

#### Explanation:

Marcie needs to modify applications and manage users groups so she needs at least the Developer privileges and WorkSpace administrator (not A, not B, not D, not E).

Nancy needs to handle workspaces and approve storage requests so she needs at least the WorkSpace Administrator privileges or Application Express Administrator (not A, not B).

Lauren as a Developer would be fine.

Note: When setting up Application Express users at a large organization, you assign roles and privileges to specific users. The roles within Application Express include the following:

- \* Workspace administrators are users who perform administrator tasks specific to a workspace such as managing user accounts, monitoring workspace activity, and viewing log files. For this guide, you will be acting as the workspace administrator when setting up the development environment.
- \* Developers are users who create and edit applications. Developers can have their own workspace or share a workspace.
- \* End users have no development privileges. You define end users so that they can access applications that do not use an external authentication scheme.
- \* Oracle Application Express administrators are superusers that manage an entire hosted instance using the Application Express Administration Services application.

#### NEW QUESTION 48

Choose three actions by which you can set a text item as read-only.

- A. Set the item as Text Field (Disabled, saves state)
- B. Set the item as Password
- C. Navigate to Page Definition > Edit that item > Navigate to Read Only section > Select "Always" from the Read Only Condition Type
- D. Set the item as Text Field (Disabled, does not save state)
- E. Set the item as Text Field (always submits page when Enter pressed)

**Answer:** ACD

#### Explanation:

A: Change Items to Display-onlyTo make the item P2\_REC\_CREATE\_DATE display-only:

? Go to the Page Definition for page 2. Click Edit Page 2 on the Developer toolbar.

? Under Items, select the item P2\_REC\_CREATE\_DATE.

? From the Display As list in the Name section, select Text Field (Disabled, saves state).

? Click Apply Changes.

C: Read Only Condition Type:



Defines conditions and expressions that determine if the item displays as read-only. Use this attribute to display certain items to a set of users as updatable, while displaying that same set of items to others users as nonupdatable. Reduces the need to code duplicate interfaces for different users.

D : For Application Item Protection you can use: / Restricted - May not be set from browser The item may not be altered using the URL or POSTDAT

A. Use this option when you want to restrict the way that the item value can be set to internal processes, computations, and so on. This attribute is applicable only to items that cannot be used as data entry items and is always observed even if Session State Protection is disabled.

Use this attribute for application items or for page items with any of these Display As types:

- \* Display as Text (escape special characters, does not save state)
- \* Display as Text (does not save state)
- \* Display as Text (based on LOV, does not save state)
- \* Display as Text (based on PLSQL, does not save state)
- \* Text Field (Disabled, does not save state)
- \* Stop and Start HTML Table (Displays label only)

#### NEW QUESTION 53

When a user runs an Oracle Application Express application, how is information identified and preserved from one page view to the next for that user?

- A. Using cookies
- B. Using hidden items and regions in the URL
- C. Using Session IDs
- D. Using session state protection
- E. Using authorization schemes

**Answer:** A

#### Explanation:

Oracle Application Express assigns new session IDs during authentication processing, records the authenticated user's identity with the session ID, and continually checks the session ID in each page request's

URL or POST data with the session cookie and the session record in the database. These checks provide users with flexibility and security.

While the session ID is the key to session state, the session cookie (where applicable) and the session record safeguard the integrity of the session ID and the authentication status of the user.

Reference: Oracle Application Express Application Builder User's Guide, Understanding Session IDs

#### NEW QUESTION 58

XYZ Corporation wants to develop a new theme for all applications within a workspace. In order for a new theme to be applied to all applications, you must perform these steps.

- 1) Promote the theme to a workspace theme.
- 2) Change the theme identification number to a number higher than 100.
- 3) Modify all applications to switch to the new theme.
- 4) Copy an existing theme.
- 5) Navigate to the Themes page.
- 6) Change the templates in the new theme.
- 7) Edit the theme definition.

What is the most likely sequence for the steps be performed in?

- A. 4, 5, 7, 1, 2, 6, 3
- B. 4, 5, 3, 7, 2, 6, 1
- C. 5, 4, 7, 2, 3, 1, 6
- D. 5, 4, 2, 7, 1, 6, 3
- E. 5, 4, 3, 6, 1, 2, 7
- F. 4, 5, 3, 1, 7, 2, 6

**Answer:** D

#### Explanation:

You can create a theme from scratch or select an existing theme from the repository. To create a theme:

1. (5) Navigate to the Themes page:
2. (4) On the Tasks list, click Copy Theme.
3. On Copy Theme:
  - a. Copy From Theme - Select the theme you want to copy.
  - (2) b. Copy to this Theme Identification Number - Enter a new ID for the theme. c. Click Next.
4. Click Copy Theme ID. Etc.

Reference: Oracle Application Express, Application Builder User's Guide, Release 3.2, Copying a Theme

#### NEW QUESTION 61

The Order Totals page in the Orders application includes a link to January 2009 that should link to a calendar view of the order totals for that month. But if you click January 2009, it displays the calendar for the current month instead of January 2009. What action should you perform to rectify this?

- A. Modify the display attributes of the calendar.
- B. Edit the P<n>\_CALENDAR\_DATE hidden item and replace the default value with 20090101.
- C. Edit the P<n>\_CALENDAR\_DATE hidden item to specify a condition.
- D. Edit the P<n>\_CALENDAR\_DATE hidden item to replace the default value with 20090101 and select Static Text with Session State Substitutions for the default value type.

**Answer:** D

#### NEW QUESTION 63



After creating buttons in a region position, you cannot change the position of the buttons to

- A. Bottom of the region
- B. Above or below the region
- C. In any button position defined in the region template
- D. To the left or the right of the page title
- E. Among this region's Items

**Answer:** B

**Explanation:**

The position of the button must be within the region.

Create a button in a region position - Select this option to place the button in a region position. A region position is a position defined by a region template.

Note 1:

For Display Properties:

If the button position is Create a button in a region position:

\* Sequence - Enter the sequence for this component. The sequence determines the order of evaluation.

\* Position - Select a position for this button.

\* Alignment - Select Right or Left.

Note 2: A region is a area on a page that serves as a container for content. Each page can have any number of regions. You control the appearance of a region through a specific region template. The region template controls the look of the region, the size, determines whether there will be a border or a background color, and what type of fonts display. A region template also determines the standard placement for any buttons placed in region positions.

You can use regions to group page controls (such as items or buttons).

Reference: Oracle Application Express Application Builder User's Guide, Creating Buttons Reference: Oracle Application Express Application Builder User's Guide, Understanding Regions

**NEW QUESTION 68**

Which two statements is true relating to authentication in Oracle Application Express?

- A. It is a process of establishing user identity before the user can access an application.
- B. An authentication scheme can be specified for an entire application, page, or specific components Such as item, button and regions on a page.
- C. An authentication scheme prevents a user from accessing session state belonging to other users.
- D. An authentication scheme helps a user to reestablish their session when they log back into an application allowing them to bookmark the application.
- E. An authentication scheme can only be applied to one applicatio

**Answer:** AC

**Explanation:**

A: Authentication establishes the identity of each user who accesses your application. Authentication is the process of establishing each user's identify before they can access your application. Authentication may require a user identify a user name and password or could involve the use of digital certificates or a secure key.

C: When running custom authentication, Oracle Application Express attempts to prevent two improper situations:

\* Intentional attempts by a user to access session state belonging to someone else. However, users can still type in an arbitrary application session ID into the URL.

\* Inadvertent access to a stale session state (probably belonging to the same user from an earlier time). This would commonly result from using bookmarks to application pages.

Reference: Oracle Application Express, Application Builder User's Guide, Release 3.2, Using Preconfigured Authentication Schemes

**NEW QUESTION 71**

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