

Zend Server Job Interview Questions And Answers



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Zend Server Interview Questions And Answers Guide.

Question - 1:

Please write down a program to show the execution of the application?

Ans:

- The execution of the program can be done by using the methods of Decorators.
- Decorators provide the methods like errors, htmltag, labels, etc. to help the developers to use it and execute their applications.

- The program is written like this:

```
$label->render($htmlTag->render($errors->render($viewHelper->render("))))
```

```
<input name="hello" id="hello" type="text" value="" />
```

```
<div class="error"><ul>
```

```
<li>...</li>
```

```
</ul></div>
```

```
<dd>
```

```
<input name="hello" id="hello" type="text" value="" />
```

```
<div class="error"><ul>
```

```
<li>...</li>
```

```
</ul></div>
```

```
</dd>
```

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Question - 2:

Explain what are the default methods provided by decorators?

Ans:

- Decorators are used in the application to provide the functionality and make elements to work.
- The decorators being provided as default are as follows:
 - ViewHelper: is a method that allows the viewing of the helper files used. It allows the replacement of the content that is being provided.
 - Errors: provide the error codes and messages that came during the execution of the application. It provides appending of the content.
 - HTMLTag: that allows the tags to be written by using the parameters and attributes. It provides the wrapping up of the content and decreasing the length of the code.
 - Labels: are used to provide the informative keywords as it provides prepending of the content that is being provided.

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Question - 3:

Do you know what are the elements used in customizing the output of using the standard decorators?

Ans:

The elements used by the decorator to be used in the application are as follows:

- ViewHelper: It allows the replacement of the content that is being provided.
- Errors: It provides appending of the content.
- HtmlTag (): It provides the wrapping up of the content and decreasing the length of the code.
- Label: labels are used with the wrapping of the code using the tag

The form objects are also involved in it and are as follows:

- FormElements: are used to iterate the elements, display groups, and sub-forms that are used to render the elements used above.

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Question - 4:

Tell me what are the basic operations performed by the Decorator?

Ans:

- Decorator provides the ability to append, prepend, and replace the content that is passed to the method.
 - The content that is being initially placed provides the empty string and being processed with the decorator.
- The operations that can be performed are shown below:



- Append: this allows the appending of the functions and methods that can be used to build an application.
- Prepend: this allows the content to be placed at the beginning of the file.
- Replace: this operation will allow the replacement of the content from any of the content that is present.

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Question - 5:

Explain what is being presented by the Decorators?

Ans:

- Decorators are used to provide the Zend_Form in the case of developer's use and provide them the functionality to write the code.
- It determines the display and provides the final output of the input that is being provided by the developer.
- The solution is being managed by the modified decorator and it is used to decorate the object.
- The content can be generated by using the decorate methods and function or using the metadata.
- The metadata is being used with the elements or objects through which the content will be generated.

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Question - 6:

Do you know what are the methods used in Decorator?

Ans:

- The methods used to render the view of the final window are shown as:
`$window->render();`
- The render view is being executed by the use of `WindowScrollbarDecorator::render()` method.
- It uses the `WindowTitleDecorator::render()` method, to be used as the decorator for the title and the rendering of it.
- `WindowDecorator::render()` method, is used as a Decorator of the window class that allow the main execution of the application.
- The rendering of the window is being done by using the function or method as: `Window::render()` that allows the simple use of state object.

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Question - 7:

Tell me what are the steps kept in mind while designing the Zend_Form?

Ans:

- The markups are placed in the proper places with each element and with the use of form.
- The markup should be generated for the displaying of the element and in the form as well.
- Inject the values in the element markup with the metadata to design it more effectively.
- The reporting errors need to be kept in check to see the repetitive task that is being done using the code.
- The form solution is being provided to address the actions and other features that need to be addressed.

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Question - 8:

How to write a program to show the instantiation of the window class?

Ans:

- The decorator is used to extend the functionality of the class that wraps up the structure.
- The decorator extends the class and its functionality by wrapping up in a defined pattern.
- The use of it allows the user to add or modify the existing behaviour of the API that is same.
- Decorators wrap other that identifies the original object and follows with the same API.
- The `WindowDecorator` is being created to display the window, by showing scrollbars, window title, etc;

```
$window = new WindowScrollbarDecorator(  
    new WindowTitleDecorator(  
        new WindowDecorator(  
            new Window()  
        )  
    )  
);
```

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Question - 9:

Can you explain why are in-built libraries used for the web services?

Ans:

- Zend framework is used to solve the development problems of the web applications and it provides resources for use.
- Web services are used for the development environment and to make it accessible to all the platforms.
- Web services are being provided by the zend framework and used in the application development process.
- The users uses the web services to access their work and other services and components.
- It uses the `Zend_Registry` and `Zend_Log` methods to have the registry setup and log being maintained while setting up the libraries for the web services.

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Question - 10:

Do you know what is the function Lucene?

Ans:

- Lucene is an open source binary format used to have features for high performance and provide other tools to manage the resources.
- It provides fully featured text search engine that can be utilized by the applications and be used to execute it.
- It provides the storing of the data and the search indexes by providing the standardized query format for querying for other indexes.



- Lucene is a search engine provider that allows the functionality to be implemented for the indexes.
- Lucene uses the Apache project and having the zend library with the name Zend_Search_Lucene.

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Question - 11:

How to write a program to retrieve the view object within plugin?

Ans:

- Zend uses the framework that allows easy retrieving of the object within the arbitrary code.
 - It uses the action helper and other class methods to view the object within the plugin.
 - The method ViewRenderer() is used by default in the zend framework to view and render the components.
- ```
$viewRenderer = Zend_Controller_Action_HelperBroker::getStaticHelper('viewRenderer');
$view = $viewRenderer->view;
```

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### Question - 12:

Explain what is the function of action helper in Zend?

#### Ans:

- Zend allows the creation of application using the framework that provides MVC architecture.
- The action helper is used to instantiate and store the object i.e Zend\_View and other objects that are related to view.
- It also provides ways to inject the instantiation process in different objects by the help of action helper.
- The view object is stored in the view property provided by the action helper and a view instance is created using this.
- ViewRenderer instance is being created using the action helper function and it allows creating sync between all the objects.

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### Question - 13:

How to write a program to show the function of action helper?

#### Ans:

- Action helper is used to create the application and instantiate the object of it using the Zend\_View.
  - The object is used and stored using the ViewRenderer's property that creates an instance and provides more options.
  - It includes the dispatch process before any action is being dispatched from the view and the example code is given as:
- ```
if (!isset($viewRenderer->view)) {  
    $viewRenderer->initView();  
}  
$view = $viewRenderer->view;
```

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Question - 14:

Tell me what is the function of model in MVC architecture?

Ans:

- MVC is made up of model, view and controller components to, represents the data in the architectural form.
- The model component can vary from one requirement to another for MVC application.
- The function model represents the application that has the abstract processing of the components.
- It uses the zend framework that defines MVC architecture at one place and allow the applications to use it.
- It is having the model interface, class and other components that used to identify the value and provide the limitations on the use.

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Question - 15:

Do you know what is the use of Zend framework?

Ans:

- Zend framework is a robust framework that provides the components used by the web applications.
- It provides inbuilt libraries and functions to make the programming and integration easier.
- Zend framework consists of loosely coupled components that can be used to easily integrate in an application.
- It is used for the web application that uses lots of functions and libraries without writing much of the coding.
- It provides tools that can be used to have the standalone component based architecture.

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Question - 16:

Tell me what are the ways in which the file can be detected as being uploaded or not?

Ans:

- There are certain functions used for the detection of the file and check whether the file is being uploaded properly or not.
- The use of isUploaded() function with the pre-defined parameters are used to check and it returns the boolean result.
- The use of getFileName() method is used to provide the latest releases of the file and returns the NULL.
- The use of getFileInfo() provides a way to make an empty file key that can be used to check whether the file is being uploaded or not.
- The flag is set for the isUploaded() method to false that allow the detection to be made easy.

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Question - 17:



Can you explain what is the difference between Zend_Auth and Zend_Acl?

Ans:

- Zend_Auth provides the authentication protocol for the users using many methods whereas; Zend_Acl is used for authorization purpose.
- Zend_Auth uses the methods like LDAP, OpenID and HTTP to provide the authentication, whereas Zend_Acl uses Access Control List for authorization.
- Zend_Auth provide the authentication in the form of verifying and providing the credentials for the user's system, whereas Zend_Acl uses list of roles that is being implemented only those who are authorized to it.
- Zend_Auth provides an environment to the system through which user who is authenticated for use, whereas Zend_Acl performs some operations on the specific resources that need to be written on the system.
- Zend_Auth supports the authentication platforms features, whereas Zend_Acl supports the advanced definitions with features of multiple inheritance and other similar features.

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Question - 18:

How to write a program that performs the calculations using the SQL function?

Ans:

- The SQL functions are used to perform the calculations of the statements using the Zend_Db_Select command.
- The expression needs to have parentheses and the command that is given as Zend_Db_Select need to provide the statement appropriately.
- The Zend_Db_Expr is used to explicitly create the expressions that are given below:

```
$select = $db->select()
->from(array('p' => 'products'),
array(
'product_id',
'cost_plus_tax' => new Zend_Db_Expr('p.cost * 1.08'),
));
```

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Question - 19:

Explain what is the procedure to see that the optional file is detected?

Ans:

- There is a use of receive() method that returns true for the file element which is not required.
- The file can be neglected when using the method mentioned above, as soon as the file gets opened it detected.
- The method returns the false in case of any error or the file hasn't been copied or uploaded directly.
- There are other methods used to provide the detection of the file using the elements in normal HTML file.
- The methods can detect the file and provide the tools to make the file being detected.

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Question - 20:

Do you know what is the way in which the HTML can be used to form elements?

Ans:

- The form elements can be customized using the decorators and using the Zend_Form for the rendering of the output.
- The description decorator can be used to have an instance running that allow the HTML to create the form elements.
- The turning of escape characters is required for the output of the decorator and it can be represented as shown below:

```
$element->setDecorators(array(
array('ViewHelper'),
array('Description', array('escape', false)),
array('Errors'),
array('HtmlTag', array('tag' => 'dd')),
array('Label', array('tag' => 'dt')),
));
```

- The element can be set to use the description by adding the extra HTML to this and it can be done using this:

```
$element->setDescription('<strong>Hello World</strong>');
```

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