AWT VIVA QUESTIONS

1) **What is MVC?**

   MVC (Model View Controller) framework is an architectural/design pattern that separates an application into three main logical components Model, View, and Controller.

   MVC is generally used on applications that run on a single graphical workstation. The division of logical components enables readability and modularity, as well as, makes it more comfortable for the testing part.

2) **Components of MVC**

   1. Model

   2. View

   3. Controller

3) **What is a model?**

   The Model component corresponds to all the data-related logic that the user works with.

4) **What is a View?**

   The View component is used for all the UI logic of the application. It generates a user interface for the user.

5) **What is a controller?**

   A controller is a component that enables the interconnection between the views and the model so it acts as an intermediary.

   The controller doesn't have to worry about handling data logic, it just tells the model what to do.

6) Advantages of MVC

1. Codes are easy to maintain and they can be extended easily.

2. It reduces complexity by dividing an application into three units. Model, View, and Controller.

3. It supports Test Driven Development (TDD).

4. It is SEO (Search Engine Optimization) friendly.

7) Disadvantage of MVC

1. It is difficult to read, change, test, and reuse this Model.

2. It is not suitable for building small applications.

3. Increased Complexity and inefficiency of data.

8) Popular MVC Frameworks

1. Laravel

2. Symphony

3. Django

4. Catalyst

9) What is Laravel?

Laravel is an open-source web application framework. It handles complex web applications more securely and faster than other frameworks.

10) Advantages of Laravel

1. Laravel allows the user to easily utilize the latest PHP features.

2. It makes it easy to use documentation.

3. Easy-to-use command-line tool.

4. Laravel is fast.

5. It makes quick work of resources.

6. Easy updates.

11) What is the route?

The route is a way of creating a request URL for your application.

12) What is routing?

Routing in Laravel allows users to route all their application demands to its appropriate controller.

13) What is a resource controller?

A resource controller is used to create a controller that handles all the HTTP requests stored by your application.

14) latest version of Laravel?

Laravel 10

15) What is artisan in Laravel?

Artisan is the command line interface included with Laravel.

16) Name of directories of Laravel?

app directory

bootstrap directory

database directory

public directory

resources directory

routes directory

17) Use of blade file

The blade allows to use the templating engine easily, and it makes the syntax writing very simple.

18) Use of csrf in Laravel

The blade allows to use the templating engine easily, and it makes the syntax writing very simple.

19) Difference between get and post method

GET carries request parameter appended in URL string while POST carries request parameter in message body

20) Different types of routes in Laravel

GET, POST, PUT, DELETE

21) CRSF full form

Cross-site request forgeries

22) What is enctype?

The enctype attribute specifies how the form-data should be encoded when submitting it to the server.

23) request in php

$_REQUEST is a PHP super global variable that is used to collect data after submitting an HTML form.