

Web Development Frameworks

Question Bank

Long questions:

1. List out features of AngularJS.
2. Advantages of AngularJS.
3. Explain MVC Architecture of AngularJS.
4. List out all filters of AngularJS. Explain with example.
5. Explain architecture of AngularJS with diagram.
6. Difference between AngularJS and Angular. And features of AngularJS.
7. Explain main directives of AngularJS with example. ng-app, ng-controller, ng-bind.
8. Explain Data binding. Give example of data binding with dropdown, table and list.
9. Explain event driven directives of AngularJS. (ng-click, dbl-click, mouse-down, mouse-over, key-down).
10. Call HTTP methods with example. get(), post(), put().
11. How to validate data in AngularJS? Explain validation directives with example.
12. Explain concept of Routing in ExpressJS.
13. Explain AngularJS Forms event.
14. Explain concept of AJAX. How to manage JSON data using HTTP service methods?
15. Explain objectives of the Express.js.
16. Explain concept of Scaffolding and Template.
17. What is Image upload control? Give example to upload image on server.

Short questions:

1. Disadvantages of AngularJS
2. What is AngularJS Tables?
3. Explain AngularJS HTML DOM management directives.
4. Use of AngularJS Scopes variable.
5. What is AngularJS Modules? List out types of Modules.
6. What is AngularJS?
7. What is data binding in AngularJS?
8. What is scope in AngularJS?
9. What are the controllers in AngularJS?
10. What are the services in AngularJS?
11. What are the filters in AngularJS?
12. Explain directives in AngularJS.
13. Explain templates in AngularJS.
14. What is routing in AngularJS?
15. What are the advantages of AngularJS?
16. What are the disadvantages of AngularJS?
17. Which are the core directives of AngularJS?
18. Explain AngularJS boot process.
19. What is MVC?
20. Explain ng-app directive.

21. Explain ng-model directive.
22. Explain ng-bind directive.
23. Explain ng-controller directive.
24. How AngularJS integrates with HTML?
25. Explain ng-init directive.
26. Explain ng-repeat directive.
27. What are AngularJS expressions?
28. Explain uppercase filter.
29. Explain lowercase filter.
30. Explain currency filter.
31. Explain filter filter.
32. Explain orderby filter.
33. Explain ng-disabled directive.
34. Explain ng-show directive.
35. Explain ng-hide directive.
36. Explain ng-click directive.
37. How angular module works?
38. How to validate data in AngularJS?
39. Explain ng-include directive.
40. How to make an ajax call using Angular JS?
41. What is use of \$routeProvider in AngularJS?
42. How to manage Pagination in AngularJS?
43. Explain custom validation with example.
44. What is template in ExpressJS?
45. What is Cookies?

Option based questions:

1. Which of the following is true about ng-controller directive?
A - ng-controller directive tells AngularJS what controller to use with this view.
B - AngularJS application mainly relies on controllers to control the flow of data in the application.
C - A controller is a JavaScript object containing attributes/properties and functions.
D - All of the above.
2. AngularJS expressions behave in same way as ng-bind directives.
A - false
B - true
3. Which of the following is true about filter filter?
A - filter filter is a function which takes text as input.
B - filter filter is used to filter the array to a subset of it based on provided criteria.
C - Both of the above.
D - None of the above.
4. Which of the following is true about \$routeProvider?
A - \$routeProvider is the key service which set the configuration of urls.
B - \$routeProvider maps Urls with the corresponding html page or ng-template.
C - \$routeProvider attaches a controller with the view.

- D - All of the above.
5. Services are singleton objects which are instantiated only once in app.
A - false
B - true
6. AngularJS provides capability to create Single Page Application in a very clean and maintainable way.
A - true
B - false
7. lowercase filter is applied to an expression using pipe character.
A - false
B - true
8. orderby filter is applied to an expression using pipe character.
A - true
B - false
9. What is data binding in AngularJS?
A - Data binding is the technique to save html data in the database.
B - Data binding is the technique to bind database data to html control.
C - Data binding is the automatic synchronization of data between model and view components.
D - Data binding is the automatic synchronization of data between model and controller components.
10. Which directive is used for data binding in AngularJS?
A - ng-data
B - ng-app
C - ng-bind
D - ng-controller
11. What happens when page containing AngularJS based Application loads.
A - HTML document is loaded into the browser, and evaluated by the browser.
B - AngularJS JavaScript file is loaded; the angular global object is created.
C - JavaScript which registers controller functions is executed.
D - All of the above.
12. What are scopes in AngularJS?
A - Scopes define the accessibility of a javascript variable.
B - Scopes are objects that refer to the model. They act as glue between controller and view.
C - Scopes are objects that refer to the controller.
D - Scopes are objects that refer to the views.
13. What are the controllers in AngularJS?
A - Controllers are JavaScript functions that are bound to a particular scope.
B - Controller carry functions to operate on data and decide which view is to be updated to show the updated model based data.
C - They are the prime actors in AngularJS framework.
D - All of the above.

14. What are the services in AngularJS?
A - Services are singleton objects which are instantiated only once in app and are used to do the defined task.
B - Services are objects which AngularJS uses internally.
C - Services are not used in AngularJS.
D - Services are server side components of AngularJS.
15. What are the filters in AngularJS?
A - Filters select a subset of items from an array and return a new array.
B - Filters are used to show filtered items from a list of items based on defined criteria.
C - Both of the above.
D - None of the above.
16. What is deep linking in AngularJS?
A - Deep linking allows you to encode the state of application in the URL so that it can be bookmarked.
B - Deep linking is a SEO based technique.
C - Deep linking refers to linking various views to a central page.
D - None of the above.
17. Is AngularJS code unit testable?
A - false
B - true
18. Do AngularJS provide reusable components?
A - false
B - true
19. Which of the following is not a core AngularJS directive.
A - ng-app
B - ng-model
C - ng-bind
D - ng-state
20. Which of the following is true about ng-app directive?
A - ng-app directive defines and links an AngularJS application to HTML.
B - ng-app directive indicates the start of the application.
C - Both of the above.
D - None of the above.
21. Which of the following is true about ng-model directive?
A - ng-model directive binds the values of AngularJS application data to HTML input controls.
B - ng-model directive creates a model variable which can be used with the html page and within the container control having ng-app directive.
C - Both of the above.
D - None of the above.
22. Which of the following is true about ng-bind directive?
A - ng-bind directive binds the AngularJS Application data to HTML tags.
B - ng-bind updates the model created by ng-model directive to be displayed in the html tag.
C - ng-bind updates html control data when controller changes the model.

- D - All of the above.
23. Which of the following is true about ng-controller directive?
- A - ng-controller directive tells AngularJS what controller to use with this view.
 - B - AngularJS application mainly relies on controllers to control the flow of data in the application.
 - C - A controller is a JavaScript object containing attributes/properties and functions.
 - D - All of the above.
24. Which of the following is true about ng-init directive?
- A - ng-init directive initializes an AngularJS Application data.
 - B - ng-init directive is used to put values to the variables to be used in the application.
 - C - Both of the above.
 - D - None of the above.
25. Which of the following is true about AngularJS expressions?
- A - Expressions are used to bind application data to html.
 - B - Expressions are written inside double braces like {{ expression}}.
 - C - Expressions behave in same way as ng-bind directives.
 - D - All of the above.
26. What MVC stands for?
- A - Model View Control
 - B - Model View Controller
 - C - Main View Controller
 - D - Main View Control
27. What is MVC?
- A - MVC is name of an algorithm.
 - B - MVC is a software design pattern for developing web applications.
 - C - MVC is a software technique to optimize web application performance.
 - D - None of the above.
28. What is Model in MVC?
- A - Model represents server side data.
 - B - Model represents data stored in database.
 - C - Model is the lowest level of the pattern responsible for maintaining data.
 - D - None of the above.
29. What is View in MVC?
- A - View represents a database view.
 - B - View is responsible for displaying all or a portion of the data to the user.
 - C - View is responsible to act and process the data.
 - D - None of the above.
30. What is controller in MVC?
- A - It is a software Code that stores the data.
 - B - It is a software Code that renders the user interface.
 - C - It is a software Code that controls the interactions between the Model and View.
 - D - None of the above.