

IDB-BISEW IT Scholarship Project

Round: 51

MCQ Question and Answer

Trainer Name: Syed Ziaul Habib

1. 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.

2. 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 these

3. Which of the following is true about AngularJS?

A) AngularJS is a framework to build large scale and high performance web application while keeping them as easy-to-maintain.

B) AngularJS provides developers options to write client side application (using JavaScript) in a clean MVC (Model View Controller) way.

C) AngularJS is a powerful JavaScript based development framework to create RICH Internet Application(RIA).

D) All of these

4. 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 these

5. On which of the following types of component can we create a custom directive?

A) Element directives

B) Attribute

C) CSS

D) All of these

Explanation: AngularJS provides support to create custom directives for following type of elements.

Element directives - Directive activates when a matching element is encountered.

Attribute - Directive activates when a matching attribute is encountered.

CSS - Directive activates when a matching css style is encountered.

NB - Directive activates when a matching comment is encountered.

6. Which of the following is true about AngularJS service?

A) Services are JavaScript functions.

B) Services are responsible to do specific tasks only

C) Inbuilt services are always prefixed with \$ symbol.

D) All of these

Explanation: Services are JavaScript functions and are responsible to do specific tasks only. Each service is responsible for a specific task for example, \$http is used to make ajax call to get the server data. \$route is used to define the routing information and so on. Inbuilt services are always prefixed with \$ symbol.

7. How angular.module works?

A) angular.module is used to create AngularJS modules along with its dependent modules.

B) angular.module is primarily used to create application module.

C) Both of these

D) None of these

8. Which of the following is not a core AngularJS directive.

A) ng-app

B) ng-model

C) ng-bind

D) ng-state

9. 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 these

10. 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 these

11. 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 these

12. Which components can be injected as a dependency in AngularJS?

- A) value
- B) factory
- C) service

D) all of these

13. 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 these.

14. In AngularJS, Scope contains the model data.

- A) True
- B) False

15. AngularJS Expressions are used to bind application data to html

- A) True
- B) False

16. AngularJS applications can run on all major browsers and smart phones including Android and iOS based phones/tablets.

- A) True
- B) False

17. In controllers, model data is not accessed via \$scope object.

- A) True
- B) False

Explanation: In controllers, model data is accessed via \$scope object.

18. ng-init directive can be used to put values to the variables to be used in the application.

- A) True
- B) False

19. AngularJS uses dependency injection and make use of separation of concerns.

- A) True
- B) False

20. Scope act as glue between controller and view.

- A) True
- B) False

Explanation: Scopes are objects that refer to the model. They act as glue between controller and view.

21. config phase is the phase during which AngularJS bootstraps itself.

- A) True
- B) False

22. Which of the following is true about \$invalid flag?

- A) \$invalid flag states that value has been changed.
- B) \$invalid flag states that form has invalid data.
- C) Both of these above.
- D) None of these.

23. Which of the following is true about \$dirty flag?

- A) \$dirty flag states that value has been changed.
- B) \$dirty flag states that form has invalid data.
- C) Both of the these.
- D) None of the above.

Explanation: \$dirty flag states that value in the form has been changed.

24. 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 these.

25. 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 these above.
 - D) None of these.

Explanation: ng-app directive defines and links an AngularJS application to HTML. It also indicate the start of the application.

26. The argument to the controller function is called

- A) \$scope
- B) scope
- C) \$app
- D) \$scopes

27. Which directive clones HTML elements once for each item in a collection (in an array)?
- A) ng-loop
 - B) ng-repeat
 - C) ng-array
 - D) none of these

28. Which directive can bind HTML elements to HTML forms?

- A) ng-init
- B) ng-data
- C) ng-model
- D) ng-app

29. Which directive can provide CSS classes for HTML elements?
- A) ng-init
 - B) ng-app
 - C) ng-class
 - D) ng-model

30. Which directive can also provide status for application data (invalid, dirty, touched, error)?
- A) ng-model
 - B) ng-app
 - C) ng-bind
 - D) ng-init

31. Which directive can also provide type validation for application data (number, email, required)?
- A) ng-app
 - B) ng-bind
 - C) ng-model
 - D) ng-validate

32. Which directive will auto-bootstrap (automatically initialize) the application when a web page is loaded?
- A) ng-app
 - B) ng-init
 - C) ng-css
 - D) ng-module

33. Which is the correct syntax of creating AngularJS Controller?

```
A) var app = angular.module('myApp', []);  
angular.controller('myCtrl',  
function(app,$scope) {  
  
});  
B) var app = angular.module('myApp', []);  
app.controller('myCtrl', function($scope) {  
  
});  
C) var app = module('myApp', []);  
app.controller('myCtrl', function($scope) {  
  
});  
D) var app = angular.module('myApp', []);  
app.controller( function($scope) {  
  
});
```

34. Which is the correct syntax of creating AngularJS application module?
- A) var app = angularJS.module('myApp',[]);
 - B) var app = angular.module('myApp', []);
 - C) var app = angular.module('myApp');
 - D) var app = angular.module([], 'myApp',);

35. AngularJS expressions bind AngularJS data to HTML the same way as the _____ directive.
- A) ng-model
 - B) {{expression}}
 - C) ng-bind
 - D) ng-model
 - E) None of these
36. Which directive initialize AngularJS application variables?
- A) ng-init
 - B) ng-app
 - C) ng-initial
 - D) ng-model
 - E) None of these
37. Which directive binds the innerHTML of the element to the application variable?
- A) ng-contorller
 - B) ng-model
 - C) ng-view
 - D) ng-bind
 - E) ng-app
38. Which directive binds the value of the input field to the application variable name?
- A) ng-app
 - B) ng-controller
 - C) ng-bind
 - D) ng-model
 - E) ng-data
39. Which directive binds application data to the HTML view?
- A) ng-model
 - B) ng-bind
 - C) ng-controller
 - D) ng-app
 - E) All of these
40. Which directive binds the value of HTML controls (input, select, textarea) to application data?
- A) ng-bind
 - B) ng-model
 - C) ng-expression
 - D) ng-data
 - E) ng-controller
41. Which directive defines an AngularJS application?
- A) ng-controller
 - B) ng-model
 - C) ng-app
 - D) ng-bind
42. Which of the following is not the valid AngularJS directive?
- A) ng-app
 - B) ng-bind
 - C) ng-model
 - D) data-app-ng
 - E) data-ng-app
 - F) ng-controller
 - G) ng-repeat
 - H) ng-if
43. AngularJS binds data to HTML with _____.
- A) Directive
 - B) Expressions
 - C) Module
 - D) Filter
44. AngularJS extends HTML attributes with _____
- A) Filter
 - B) Expression
 - C) Directive
 - D) Module
45. AngularJS is perfect for _____
- A) AJAX
 - B) Multi Page Applications
 - C) Single Page Applications (SPAs)
 - D) Windows Application
46. Which of the following is component of AngularJS
- A) directives
 - B) expressions
 - C) filters
 - D) modules
 - E) controllers
 - F) All of these
 - G) None of these
47. Who is the creator of AngularJS?
- A) Guido van Rossum
 - B) RasmusLerdorf
 - C) Brendan Eich
 - D) MiškoHevery

48. AngularJS applications are built around a design pattern called _____
- A) AJAX
 - B) MVC**
 - C) Object Oriented
 - D) Procedural
49. AngularJS is the library of
- A) JavaScript**
 - B) PHP
 - C) Python
 - D) None of these
50. Which of the following method can be used to wrap the inner child contents of each matched element (including text nodes) with an HTML structure.
- a. `wrapinner(elem)`
 - b. `wrapall (html)`
 - c. `wrapinner(html)`**
 - d. `wrap(html)`
51. which of the following method can be used to either fetch or set the value of an attribute from the first element in jQuery?
- a. `val()`
 - b. `text(val)`
 - c. `attr()`**
 - d. `html()`
52. Which of the following method can be used to apply defined style sheets onto all the matched elements in jQuery?
- a. `Text():`
 - b. `$(“div”)`
 - c. `addClass(classes)`**
 - d. `filter(selector)`
53. All type of selectors available in jQuery, always start with---
- a. `@`
 - b. `&`
 - c. `!`
 - d. `$`**
54. Which of the following method gets the html contents (innerHTML) of the first matched element in jQuery?
- a. `text(val)`
 - b. `html()`**
 - c. `replacewith(content)`
 - d. `jquery()`
55. Which of the following expression is used to denote a data binding in AngularJS?
- a. single-brace characters: `{and}`
 - b. angle bracket: `<and>`
 - c. double-brace characters: `{{and}}`**
 - d. none of the above
56. JSON refers to—
- a. JavaScript Object
 - b. JavaScript Object Notation**
 - c. Java Server Object Natation
 - d. None of the above
57. What is th function of Model in MVC?
- a. Model display file
 - b. Model stored data in database.
 - c. Model responsible for maintaining data.**
 - d. None of the these.
58. Which of the following loads, processes and inserts a fragment of HTML into the DOM?
- a. `Ng-Clock`
 - b. `Ng-include`**
 - c. `Ng-swich`
 - d. `Ng-repeat`
59. Which of the following directive clones HTML elements once for each item in a collection?
- a. `Ng-array`
 - b. `Ng-loop`
 - c. `Ng-repeat`**
 - d. None of these
60. Which of the following directive bind HTML elements to HTML forms?
- a. `Ng-data`
 - b. `Ng-model`**
 - c. `Ng-app`
 - d. `Ng-init`
61. Which of the following directive add CSS classes for HTML elements?
- a. `Ng-class`**
 - b. `Ng-model`
 - c. `Ng-init`
 - d. `Ng-app`
62. Which directive will automatically initialize the application when a web page is loaded?
- a. `Ng-css`
 - b. `Ng-module`
 - c. `Ng-app`**
 - d. `Ng-init`

63. Which of the following directive initialize AngularJs application variables?
- Ng-app
 - Ng-initial
 - Ng-init
 - Ng-model
64. Which of the following directive binds the innerHTML to the application variable?
- Ng-bind
 - Ng-contorller
 - Ng-model
 - Ng-view
65. Which of the following is used to display validation errors in a form _____?
- Ng-model
 - Ng-show // may be.. not sure
 - Ng-view
 - Ng-disabled
66. Which of the following method can be used to filter out all elements from the set of matched elements?
- filter_out()
 - filter(selector)
 - add()
 - select()
67. Which of the following method can be used to locate all the descendent elements of a particular type of elements.
- Find (selector)
 - Filter(selector)
68. Which of the following method can be used to apply multiple CSS properties using a single jQuery method?
- Jquery()
 - Map()
 - CSS()
69. Which of the following method can be used to remove all child nodes from the set of matched elements?
- delete()
 - remove()
 - empty()
 - append()
70. Which of the following method can be used to remove event handlers?
- delete()
 - remove()
 - empty()
 - die()
71. Which of the following method can be used to get the current matched element?
- Offset()
 - offsetParent()
 - position()
 - outerHeight([margin])
72. Which of the following method can be used to replace a complete DOM element with the specified HTML or DOM elements?
- replace()
 - change()
 - replaceWith()
73. What is the purpose of using .bind() method in jQuery?
- To filter out all elements from the set of matched elements
 - To attach standard JavaScript events to elements
 - Reduce the set of matched elements to a single element
 - To apply any CSS property using jQuery method
74. Which of the following method is used to append content to the inside of every matched element.
- append(content)
 - after(content)
 - inserafter(selector)
 - none
75. Which of the following jQuery utility function parses the returned JSON string?
- getScript()
 - getJSON()
 - get()
 - none
76. Which of the following function turns all the elements into a JavaScript object.
- serializeArray()
 - post()
 - get()
 - serialize()

77. Which of the following method can be used to load any static or dynamic data using jQuery AJAX?

- e. `.ready()`
- f. `load()`
- g. `add()`
- h. `select()`

78. What is the function of View in MVC?

- a. View displaying all or a portion of the data to the user.
- b. View process the data.
- c. View presents database view
- d. None of the above

79. Which of the following exhibit two way binding?

- a. Ng-app
- b. Ng-module
- c. Ng-controller
- d. Ng-model

80. Which of the following creates service?

- a. Module
- b. Directive
- c. Filter
- d. Factory

81. Which of the following formatting data for display for the users?

- a. Module
- b. Directive
- c. Filter
- d. Factory

82. AngularJS built on which design pattern?

- a. UI
- b. MVC
- c. Object Oriented
- d. Procedural

83. AngularJS is the library of which language?

- a. JavaScript
- b. PHP
- c. Python
- d. None of the above

84. Which of the following selects a subset of the matched elements?

- a. `slice(0`
- b. `sibling()`
- c. `andself()`
- d. none

85. 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. D - None of the above.

Explanation

ng-model directive binds the values of AngularJS application data to HTML input controls. It creates a model variable which can be used with the html page and within the container control(for example, div) having ng-app directive.

86. AngularJS expressions are written using.

- a. double braces like `{{ expression }}`
- b. single braces like `{expression}`
- c. small bracket like `(expression)`
- d. capital bracket like `[expression]`

87. Which of the following is true about orderby filter?

- a. orderby filter orders the array based on provided criteria.
- b. orderby 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.

Explanation

orderby filter orders the array based on provided criteria. It is simply added to AngularJS expression to order the result.

88. Which of the following is true about \$invalid flag?

- a. \$invalid flag states that value has been changed.
- b. \$invalid flag states that form has invalid data.
- c. Both of the above.
- d. None of the above.

Explanation

\$invalid flag states that form has invalid data.

89. Which of the following is true about AngularJS service?
- a. Services are JavaScript functions.
 - b. Services are responsible to do specific tasks only
 - c. Inbuilt services are always prefixed with \$ symbol.
 - d. All of the above.

Explanation

Services are JavaScript functions and are responsible to do specific tasks only. Each service is responsible for a specific task for example, \$http is used to make ajax call to get the server data. \$route is used to define the routing information and so on. Inbuilt services are always prefixed with \$ symbol.