



Aptitude Test - Front End

35 Questions

* Required

1. Please input the following details:

Name *

Kumar Sundaram

2. Please input the following details:

Email ID *

kumarsundaram_2k18co179@dtu.ac.in

3. How to create an object in javascript? *

(1 Point)

- ☐ var details = new Dict(name="John",age="23");
- ☐ var details = new Dict(name:"John",age:"23");
- ☒ var details = {name:"John",age:"23"};
- ☐ var details = {name="John",age="23"};

4. How to get the data type of a variable 'a' in javascript? *

(1 Point)

- ☐ type(a)
- ☒ typeof(a)
- ☐ datatype(a)
- ☐ class(a)

5. How to create an array in javascript? *
(1 Point)

- ☐ var array = array(1,2,3,4);
- ☐ var array = list(1,2,3,4);
- ☒ var array = [1,2,3,4];
- ☐ var array = (1,2,3,4);

6. How to hide a html div container with 'id=containerHidden' using JQuery? *
(1 Point)

- ☐ \$('#containerHidden').display='hide'
- ☐ \$('#containerHidden').display('hide')
- ☒ \$('#containerHidden').css('display','none')
- ☐ \$('#containerHidden').attr('display','none')

7. What is Babel? *
(1 Point)

- ☐ A transpiler
- ☐ An interpreter
- ☐ A complier
- ☒ Both compiler and transpiler

8. Everything in React is a _____? *
(1 Point)

- ☒ Component
- ☐ Package
- ☐ Module
- ☐ Class

9. Why are ajax calls used? *
(1 Point)

- ☐ To communicate with different js frameworks
- ☒ To fetch data from the web server without refreshing the web page
- ☐ To execute built in JS functions
- ☐ None of the above

10. What is the output of the following code?

```
var Student =  
{  
  school: 'xyz'  
}  
var Student1 = Object.create(Student);  
delete Student1.school console.log(Student.school); *
```

(1 Point)

- ☒ xyz
- ☐ null
- ☐ empty
- ☐ None of the above

11. What are the phases in the lifecycle of a React component? *
(1 Point)

- ☐ Initial rendering, Creating, Updating
- ☐ Creating, Updating, Deleting
- ☐ Initial Rendering, Creation, Unmounting
- ☒ Initial Rendering, Updating, Unmounting

12. How to disable a html form checkbox with id="check_box_input" using JQuery? *
(1 Point)

- ☐ \$('#check_box_input').prop('disabled',true)
- ☒ \$('#check_box_input').attr('disabled',true)
- ☐ \$('#check_box_input').css('disabled',true)
- ☐ \$('check_box_input').css('disabled',true)

13. What is the difference between '==' and '===' in JavaScript? *
(1 Point)

- ☐ == ' in JavaScript is used for comparing two variables and their datatypes. '===' is used for comparing two variables but it ignores the datatype of variable.
- ☒ == ' in JavaScript is used for comparing two variables, but it ignores the datatype of variable. '===' is used for comparing two variables and their datatypes.
- ☐ == ' in JavaScript is used to compare variables with same values and different casing. '===' is used to compare variables with same values and the same casing
- ☐ There is no difference between the two. '===' was used in the older versions of JavaScript.

14. How to get the current date and time using JavaScript? *
(1 Point)

- ☐ var date = [datetime.now\(\)](#);
- ☐ var date = DateTime() ;
- ☐ var date = Today()
- ☒ var date = new Date();

15. var str = "Harvard,Stanford,Yale"
How to extract 'Stanford' from the above string? *
(1 Point)

- ☐ var res =str.slice(-13,-5)
- ☐ var res = str.slice(-14,-5)

- ☐ var res = str.slice(8,16);
- ☒ Both Option 1 and Option 3

16. How to create a random number in JavaScript? *
(1 Point)

- ☐ var random = rand();
- ☐ var random = Math.rand();
- ☒ var random = Math.random();
- ☐ var random = Random();

17. var str = ""Welcome to Acies!"";
How can you replace 'Acies' with 'Acies Consulting' ? *
(1 Point)

- ☐ var res = str.change("Acies", "Acies Consulting");
- ☒ var res = str.replace("Acies", "Acies Consulting");
- ☐ var res = str.update("Acies", "Acies Consulting");
- ☐ None of the above

18. In HTML , how do you add a custom attribute to an input tag? *
(1 Point)

- ☐ <input type="text" custom_attr = "abc">
- ☐ <input type="text" data_custom_attr = "abc">
- ☒ <input type="text" data-custom_attr = "abc">
- ☐ None of the above

19. In HTML, how can you set an upper limit to a number field? *
(1 Point)

- ☐ <input type="number" limit="100">

- ☐ <input type="number" max_limit="100">
- ☐ <input type="number" maximum="100">
- ☒ <input type="number" max="100">

20. How to set initial properties to a JavaScript class?

Option 1:

```
class Employee {  
  properties(name, qualification) {  
    name = name;  
    qualification = qualification;  
  }  
}
```

Option 2:

```
class Employee {  
  constructor(name, qualification) {  
    self.name = name;  
    self.qualification = qualification;  
  }  
}
```

Option 3:

```
class Employee {  
  properties(name, qualification) {  
    self.name = name;  
    self.qualification = qualification;  
  }  
}
```

Option 4:

```
class Employee {  
  constructor(name, qualification) {  
    this.name = name;  
    this.qualification = qualification;  
  }  
} *
```

(1 Point)

- ☐ Option 1
- ☐ Option 2

⌋

☐ Option 3

☒ Option 4

21. How to refresh web page using JavaScript? *
(1 Point)

☐ location.refresh()

☐ windows.location.refresh()

☒ location.reload()

☐ windows.location.reload()

22. How to submit an html form with id = "test_form" through JQuery? *
(1 Point)

☒ \$("#test_form").submit();

☐ \$("#test_form").trigger.submit();

☐ \$("#test_form").[form.save\(\)](#);

☐ None of the above

23. What does the webpack command do? *
(1 Point)

☐ Runs react local development server

☒ A module bundler

☐ Transpiles all Javascript down into one file

☐ Downloads external packages

24. How can you iterate through a JavaScript object?

Option 1:

```
const object = {'a': 1, 'b': 2, 'c' : 3};  
for (const [key, value] in object) {  
  console.log(key, value);  
}
```

Option 2:

```
const object = {'a': 1, 'b': 2, 'c' : 3};  
for (const [key, value] of Object.records(object)) {  
  console.log(key, value);  
}
```

Option 3:

```
const object = {'a': 1, 'b': 2, 'c' : 3};  
for (const [key, value] in Object.entries(object)) {  
  console.log(key, value);  
}
```

Option 4:

```
const object = {'a': 1, 'b': 2, 'c' : 3};  
for (const [key, value] of Object.entries(object)) {  
  console.log(key, value);  
} *
```

(1 Point)

- ☐ Option 1
- ☐ Option 2
- ☒ Option 3
- ☐ Option 4

25. How can you print what is stored in a JavaScript variable? *

(1 Point)

- ☐ log(variable)
- ☒ console.log(variable)
- ☐ print(variable)

☐ extract(variable)

26. Which method is used to merge two strings in JavaScript? *
(1 Point)

☐ append()

☒ concat()

☐ merge()

☐ None of the above

27. How to add an element to a JavaScript array stored in a variable 'array_test'? *
(1 Point)

☒ array_test.push(element)

☐ array_test.append(element)

☐ array_test.add(element)

☐ array_test.concat(element)

28. Which library is a pre-requisite to run a React Project? *
(1 Point)

☐ Angular JS

☒ Node JS

☐ Plotly JS

☐ None of the above

29. Which command bundles the React app into static files for production? *
(1 Point)

☒ npm run build

☐ npm start

☐ npm start dev

○ npm run

30. How to create a simple component in React?

Option 1:

```
class HelloMessage {  
  render() {  
    return (  
      <div>  
        Hello {this.props.name}  
      </div>  
    );  
  }  
}
```

```
ReactDOM.render(  
  <HelloMessage name="Taylor" />,  
  document.getElementById('hello-example')  
);
```

Option 2:

```
class HelloMessage extends React.Component {  
  render() {  
    render (  
      <div>  
        Hello {this.props.name}  
      </div>  
    );  
  }  
}
```

```
ReactDOM.render(  
  <HelloMessage name="Taylor" />,  
  document.getElementById('hello-example')  
);
```

Option 3:

```
class HelloMessage extends React.Component {  
  render() {  
    return (  
      <div>  
        Hello {this.props.name}  
      </div>  
    );  
  }  
}
```

```
}
```

```
ReactDOM.render(  
  <HelloMessage name="Taylor" />,  
  document.getElementById('hello-example')  
);
```

Option 4:

```
class HelloMessage extends React.Component {  
  return (  
    <div>  
      Hello {this.props.name}  
    </div>  
  );  
}
```

```
ReactDOM.render(  
  <HelloMessage name="Taylor" />,  
  document.getElementById('hello-example')  
); *
```

(1 Point)

☐ Option 1

☐ Option 2

☒ Option 3

☐ Option 4

31. How to change the background color of all html buttons with class="test_class" using JQuery?

Option 1:

```
$(`.test_class`).each(function () {  
    $(this).css({ backgroundColor: 'red' });  
})
```

Option 2:

```
$(`.test_class`).foreach(function () {  
    $(this).color({ backgroundColor: 'red' });  
})
```

Option 3:

```
$(`.test_class`).each(function () {  
    $(this).attr({ backgroundColor: 'red' });  
})
```

Option 4:

```
$(`.test_class`).function () {  
    $(this).css({ backgroundColor: 'red' });  
} *
```

(1 Point)

- ☒ Option 1
- ☐ Option 2
- ☐ Option 3
- ☐ Option 4

32. Which is the main configuration file for a React Application? *

(1 Point)

- ☐ webpack.json
- ☐ package.json
- ☐ base.json
- ☒ conf.json

33. How do JS minifiers work? *

(1 Point)

- ☐ JS minifiers reduce the file size by removing codes that exceed 1000 lines.
- ☐ JS minifiers remove console.logs and comments to reduce the file size.
- ☒ JS minifiers crunch variable names and remove extra spaces, comments, etc. to minimise the code and reduce the file size.
- ☐ None of the above

34. What is the purpose of the HTML "nonce" attribute for script and style elements ? *

(1 Point)

- ☐ The nonce attribute enables you to "blacklist" certain inline script and style elements.
- ☐ The nonce attribute enables you to "ignore" certain inline script and style elements.
- ☐ The nonce attribute enables you to "disable" certain inline script and style elements.
- ☒ The nonce attribute enables you to "whitelist" certain inline script and style elements.

35. How to find and extract all text inputs inside a div container with id="test_div" ? *

(1 Point)

- ☒ \$('#test_div').find("input[type=text]")
- ☐ \$('#test_div').lookup("input[type=text]")
- ☐ \$('#test_div').search("input[type=text]")
- ☐ \$('#test_div').extract("input[type=text]")

36. Which one of these is not a lifecycle method of ReactJS? *

(1 Point)

- ☐ componentWillMount
- ☒ componentWillReceiveProps
- ☐ componentWillMount
- ☐ componentWillUpdate

37. What is the equivalent of following using React.createElement?

```
const element = (  
  <h1 className=""greeting"">  
    Hello, world!  
  </h1>  
);
```

Option 1:

```
const element = React.createElement(  
  'h1',  
  {className: 'greeting'},  
  {'Hello, world!'}  
);
```

Option 2:

```
const element = React.createElement(  
  'h1',  
  {className: 'greeting'},  
  'Hello, world!'  
);
```

Option 3:

```
const element = React.createElement(  
  'h1',  
  {class: 'greeting'},  
  'Hello, world!'  
);
```

Option 4:

```
const element = React.createElement(  
  'h1',{className: 'greeting'},  
  'Hello, world!'  
); *
```

(1 Point)

☐ Option 1

☒ Option 2

☐ Option 3

☐ Option 4

38. On a scale of 1 to 5, how easy (1) or difficult (5) was the test? *

1 2 3 4 5

☐ ☐ ☐ ☒ ☐

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