

1 point

1.

```
1< script>
2
3< let cars = [
4  {name:"Toyota", price: 50000},
5  {name:"BMW", price:75000},
6  {name:"Tesla", price: 60000},
7  {name:"Jeep", price: 35000}
8  ];
9  let i;
10< for(i=0; i<cars.length; i++) {
11  console.log(cars[i].name);
12  }
13
14  console.log(i)
15
16< /script>
```

What will be printed by 'console.log()' after the execution of the above code?

- ☐ 3
- ☒ 4
- ☐ 0
- ☐ None of the above

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2.

```
1< <body>
2< <div>
3< <p class="p1">Welcome</p>
4< </div>
5
6< <p class= "p2">Don't forget to visit NYU</p>
7< </div>
8< </body>
9
10< script>
11< function change(){
12  let p = d3.select("div").select("p")
13  p.text("Welcome to New York")
14  }
15  change()
16< /script>
17<
```

The execution of the above code will change the text in all paragraph tags defined in the html page.

- ☐ True
- ☒ False

1 point

3.

```
1< <body>
2< <ul>
3< </ul>
4< </body>
5
6< script>
7  let list= d3.select("ul");
8< var cars = [
9  {name:"Toyota", price: 50000},
10 {name:"BMW", price:7500},
11 {name:"Tesla", price: 60000}
12 ];
13
14< function add(){
15< for(let i=0; i<3; i++){
16  list.append("li").text(cars[i].name)
17  }
18  }
19
20 add()
21 add()
22 console.log(list.selectAll("li").size())
23< /script>
24<
```

What will be printed by line 22 after the execution of the above code?

- ☐ None of the above
- ☐ 8
- ☐ 0
- ☒ 6

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4.

```
1< <body>
2< <div>
3< <h1> Welcome to D3 for data Visualisation </h1>
4< <p id="para" style="color:black"> In this course, we will learn how to create...
5< </p>
6< <a href="url1"> video 1 </a>
7< <a href="url2"> video 2 </a>
8< </div>
9< </body>
10< script src="d3.js"></script>
11< script>
12 let object = d3.select("#para");
13
14< function change(){
15  let color = object.style("color")
16< if(color !== "black"){
17  object.style("color", "green")
18  }
19  }
20
21 change()
22< /script>
23<
```

The color of text in paragraph tag will change to green after the execution of the above code.

- ☒ False
- ☐ True

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5.

Which of the tags below should be used to represent a header in HTML

- ☐ <div>
- ☒ <h1>
- ☐ <label>
- ☐ <span>

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6.

Which tag one should use in order to allow the user to enter a short text?

Please provide just the tag name.

<input/>

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7.

Given the following HTML and CSS code:

```
1< <head>
2< <style>
3< li {
4  color: blue;
5  }
6< <li>
7  color: red;
8  }
9< </li>
10< </style>
11< </head>
12< <body>
13< <ul>
14< <li style="color:red">First</li>
15< <li class="even">Second</li>
16< <li> Third </li>
17< <li id="even">Fourth</li>
18< </ul>
19< </body>
20<
```

Which texts will have the color red?

- ☐ Fourth
- ☒ Second
- ☐ Third
- ☒ First

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8.

Which CSS code change the background color of the button to blue.

```
1< <div>
2< <button>Save</button>
3< </div>
```

☐ 1 /\* Option 2 \*/  
2 = .button {  
3 background-color: blue;  
4 }.

☒ 1 = button {  
2 background-color: blue;  
3 }.

☐ 1 = .button {  
2 color: blue;  
3 }.

☐ 1 = button {  
2 color: blue;  
3 }.

1 point

9.

Which CSS code below will add a border **ONLY** to the <div> with the text "Hover Me!" when it is hovered?

```
1< <div>
2  Welcome!!!
3< </div>
4< <div id="action">
5  Hover Me!
6< </div>
7<
```

☒ 1 = #action:hover {  
2 border: solid 1px black;  
3 }.

☐ 1 = :hover {  
2 border: solid 1px black;  
3 }.

☐ 1 = #action {  
2 border: solid 1px black;  
3 }.

☐ 1 = div:hover {  
2 border: solid 1px black;  
3 }.

1 point

10.

Which of the following d3 statements is correct?

☐ 1 d3.select("p").style("font-size", "15px")

☒ 1 d3.select("p").style("color", red)

☐ 1 d3.style("color", "red")

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