



# 98-382<sup>Q&As</sup>

Introduction to Programming Using JavaScript

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**QUESTION 1****HOTSPOT**

The ABC company offers a mid-week discount of 10% on Wednesdays.

You need to write a JavaScript function that meets the following requirements:

Accepts the day of the week as a string

Returns the appropriate discount

You create the following code. Line numbers are included for reference only.

```
01 function getDiscount(day) {  
02     var discount = 0;  
03  
04  
05     discount = .1;  
06     break;  
07  
08     discount = 0;  
09     break;  
10 }  
11 return discount;  
12 }
```

You must complete the code at lines 03, 04, and 07.

How should you complete the code? To answer, select the appropriate code segments in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:



## Answer Area

```
01 function getDiscount(day) {  
02     var discount = 0;
```

03

	▼
case (day) {	
default (day) {	
case (default) {	
switch (day) {	

04

	▼
case "Wednesday":	
default:	
case default:	
switch "Wednesday"	

05

```
discount = .1;
```

06

```
break;
```

07

	▼
case "Wednesday":	
default:	
case default:	
switch "Wednesday":	

08

```
discount = 0;
```

09

```
break;
```

10

```
}
```

11

```
return discount;
```

12 }

Correct Answer:



## Answer Area

```
01 function getDiscount(day) {  
02     var discount = 0;
```

03

	▼
case (day) {	
default (day) {	
case (default) {	
switch (day) {	

04

	▼
case "Wednesday":	
default:	
case default:	
switch "Wednesday"	

05

```
discount = .1;
```

06

```
break;
```

07

	▼
case "Wednesday":	
default:	
case default:	
switch "Wednesday":	

08

```
discount = 0;
```

09

```
break;
```

10

```
}
```

11

```
return discount;
```

12 }

References: [https://www.w3schools.com/jsref/jsref\\_switch.asp](https://www.w3schools.com/jsref/jsref_switch.asp)

### QUESTION 2

#### HOTSPOT

You work as a JavaScript developer for Adventure Works. You are writing a simple script that performs the following actions: Declares and initializes an array Fills the array with 10 random integers Adds every other number starting with the first element

How should you complete the code? To answer, select the appropriate code segments in the answer area.



NOTE: Each correct selection is worth one point.

Hot Area:

### Answer Area

```
var numbers = 

|     |   |
|-----|---|
|     | ▼ |
| 0   |   |
| {}  |   |
| []  |   |
| ... |   |


```

```
for (var i = 0; i < 10; i++) {  
  numbers. 

|        |   |
|--------|---|
|        | ▼ |
| pop    |   |
| push   |   |
| sort   |   |
| splice |   |

 (Math.round(Math.abs(Math.random() * 10)));  
}  
var sum = 0;
```

```
for (var j = 0; j < 10; j = 

|     |   |
|-----|---|
|     | ▼ |
| j++ |   |
| j+1 |   |
| j+2 |   |
| j-- |   |

) {  
  
  sum += 

|            |   |
|------------|---|
|            | ▼ |
| sum[j]     |   |
| numbers[j] |   |
| numbers(j) |   |
| array[j]   |   |

;  
}  
  
console.log(sum);
```

Correct Answer:



## Answer Area

```
var numbers = 

|     |   |
|-----|---|
|     | ▼ |
| 0   |   |
| 0   |   |
| 0   |   |
| ... |   |


```

```
for (var i = 0; i < 10; i++) {  
  numbers.

|        |   |
|--------|---|
|        | ▼ |
| pop    |   |
| push   |   |
| sort   |   |
| splice |   |

 (Math.round(Math.abs(Math.random() * 10)));  
}  
var sum = 0;
```

```
for (var j = 0; j < 10; j = 

|     |   |
|-----|---|
|     | ▼ |
| j++ |   |
| j+1 |   |
| j+2 |   |
| j-- |   |

) {  
  
  sum += 

|            |   |
|------------|---|
|            | ▼ |
| sum[j]     |   |
| numbers[j] |   |
| numbers(j) |   |
| array[j]   |   |

;  
}  
  
console.log(sum);
```

References: [https://www.w3schools.com/jsref/jsref\\_push.asp](https://www.w3schools.com/jsref/jsref_push.asp) [https://www.w3schools.com/js/js\\_arrays.asp](https://www.w3schools.com/js/js_arrays.asp)  
<https://stackoverflow.com/questions/9813573/how-to-perform-a-sum-of-an-int-array>

## QUESTION 3

### HOTSPOT

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

**Answer Area**

	Yes	No
External JavaScript files can be cached.	<input type="radio"/>	<input type="radio"/>
Internal JavaScript can be placed between the <head> tags.	<input type="radio"/>	<input type="radio"/>
Placing your scripts at the bottom of the page body lets the browser load the other elements of the page first.	<input type="radio"/>	<input type="radio"/>
Internal JavaScript uses the tag <script src="internal" type="text/javascript">.	<input type="radio"/>	<input type="radio"/>

Correct Answer:

**Answer Area**

	Yes	No
External JavaScript files can be cached.	<input checked="" type="radio"/>	<input type="radio"/>
Internal JavaScript can be placed between the <head> tags.	<input checked="" type="radio"/>	<input type="radio"/>
Placing your scripts at the bottom of the page body lets the browser load the other elements of the page first.	<input checked="" type="radio"/>	<input type="radio"/>
Internal JavaScript uses the tag <script src="internal" type="text/javascript">.	<input type="radio"/>	<input checked="" type="radio"/>

References: <http://knowledgehills.com/javascript/external-javascript-syntax-disadvantages.htm>  
[https://www.w3schools.com/js/js\\_where.asp](https://www.w3schools.com/js/js_where.asp) [https://www.w3schools.com/tags/att\\_script\\_src.asp](https://www.w3schools.com/tags/att_script_src.asp)

**QUESTION 4**

You are creating a dynamic HTML page by using JavaScript.

Your page has an image of the sun. When the user's mouse pointer moves across the image of the sun, the image should change to the image of the moon. When the user's mouse pointer is no longer over the image should change back to

the image of the sun.

You need to write the code for the image swap.

Which two events must you program for? (Choose two.)

- A. onmouseup
- B. onmouseout
- C. onmousedown
- D. onmouseover



E. onmouseenter

Correct Answer: BD

References: References: [https://www.w3schools.com/jsref/dom\\_obj\\_event.asp](https://www.w3schools.com/jsref/dom_obj_event.asp)

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## QUESTION 5

You are writing a JavaScript program for Contoso Suites that will output HTML.

You need to output each room type on a new line using the correct method.

You create the following code for the function. Line numbers are included for reference only.

```
01 <html>
02 <body id="body">
03 <p id="para"><br></p>
04 <script>
05     var line = document.getElementById("para");
06     var rooms = ["Single", "Double", "Triple", "Suite"];
07     var i = 0;
08     for(i=0;i<rooms.length;i++){
09
10     }
11 </script>
12 </body>
13 </html>
```

You need to insert the correct code at Line 9. Which line should you use?

- A. document.getElementById("body").innerHTML = rooms[i] + line.innerHTML;
- B. document.getElementById("para").innerHTML += rooms[i] + line.innerHTML;
- C. document.getElementById("para").innerHTML += i + rooms + line.innerHTML;
- D. document.getElementById("body").innerHTML += rooms + i;

Correct Answer: B

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