

Quiz

A short quiz to test your understanding of constructor functions in OOP in JavaScript.

1

All objects created from a constructor function contain all the properties in it?

☐ A) True

☐ B) False

2

Point out the error in the code below:

```
function Shape(name, sides) {  
  name: name  
  sides: sides  
}  
var square = new Shape('Square', 4)
```

☐ A) Constructor function declaration is incorrect.

☐ B) The syntax to assign properties is wrong.

☐ C) The `new` keyword should not be used to create a new object instance.

☐ D) All of the above.

3

Code in the constructor function executes every time a new object is instantiated.

☐ A) True

☐ B) False

4

`this` refers to the new object created and is used to set its property values.

☐ A) True

☐ B) False

5

What will be the result of the following code?

```
function Shape(name, sides){  
  this.name = name  
  this.sides = sides  
}
```

```
Shape.length = 4
```

```
Shape.length = 4  
var shape1 = new Shape('Square', 4)  
console.log("Length is:", shape1.length)
```

- ☐ A) `Length is: 0`
- ☐ B) `Length is: 4`
- ☐ C) `Length is: undefined`
- ☐ D) `None of the above`

6

Properties/methods added to the prototype object of the constructor function cannot be inherited by the objects created from it.

- ☐ A) True
- ☐ B) False

7

Declaring properties using the `var` keyword makes them accessible outside the constructor function.

- ☐ A) True

☐ B) False

CHECK ANSWERS