

What are the
possible ways to
create objects in
JavaScript?

1. Object Constructor



```
1 const myObject1 = new Object();
```

The simplest way to create an empty object is using the Object constructor. Currently this approach is **not recommended**.

2. Object Literal



```
1 const myObject2 = {  
2   name: "Zain Sadaqat",  
3   age: 24  
4 }
```

The object literal syntax (or object initializer), is a comma-separated set of name-value pairs wrapped in curly braces.

Note: This is an **easiest** way to create an object

3. Function Constructor



```
1 function MyObject3(age) {  
2     this.age = age;  
3 }  
4  
5 const myObject3 = new MyObject3(24);
```

Create any function and apply the new operator to create object instances. Function name should be Capitalized and not camel case.

4. ES6 Class Syntax



```
1 class MyObject {  
2     constructor(name) {  
3         this.name = name;  
4     }  
5 }  
6  
7 const myObject = new MyObject('Zain Sadaqat');
```

ES6 introduces class feature to create the objects

5. Singleton Pattern



```
1 const singletonPattern = new (function SingletonPattern(){
2   this.age = 24
3 })();
```

A Singleton is an object which can only be instantiated one time. Repeated calls to its constructor return the same instance and this way one can ensure that they don't accidentally create multiple instances.

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