

2. Class

- Classes are blueprints of an Object
- Class is a template while Objects are instances of the class
- Using let or var to declare variables inside a class is unnecessary because class properties are automatically scoped to the class instance and don't require explicit variable declarations

```
class Person {  
  //Properties  
  first_name='Jhon'  
  last_name='Dee'  
  
  //method  
  getName() {  
    return (`The name of the person is ${this.first_name} ${this.last_name}`)  
  }  
}  
  
const person1 = new Person();  
console.log(person1.getName());
```

Re-declaring Class

- A class can be declared once only. If we try to declare class more than one time, it throws an error.

```
class Person {  
  //Properties  
  first_name='Jhon'  
  last_name='Dee'  
  
  //method  
  getName() {  
    return (`The name of the person is ${this.first_name} ${this.last_name}`)  
  }  
}  
  
const person1 = new Person();  
console.log(person1.getName());  
  
class Person{  
  
}
```

Another way to define a class is by using a class expression.

- Here, it is not mandatory to assign the name of the class.
- So, the class expression can be named or unnamed

```
let Person=class {  
  
  //Properties  
  first_name='Jhon'  
  last_name='Dee'  
  
  //method  
  getName() {  
    return (`The name of the person is ${this.first_name} ${this.last_name}`)  
  }  
}
```

```
}

const person1 = new Person();
console.log(person1.getName());
```

```
let Person=class American {
  //Properties
  first_name='Jhon'
  last_name='Dee'
  //method
  getName() {
    return (`The name of the person is ${this.first_name} ${this.last_name}`)
  }
}

const person1 = new Person();
console.log(person1.getName());
```

Re-declaring Class

■ In this way you can redeclare class

```
var Person=class {
  //Properties
  first_name='Jhon'
  last_name='Dee'
  //method
  getName() {
    return (`The name of the person is ${this.first_name} ${this.last_name}`)
  }
}

const person1 = new Person();
console.log(person1.getName());

//Re-declaring Class
var Person=class {

  //Properties
  first_name='Robin'
  last_name='Hood'
  //method
  getName() {
    return (`The name of the person is ${this.first_name} ${this.last_name}`)
  }
}

const person2 = new Person();
console.log(person2.getName());
```

#JavaScript_OOP