**What is ES6?**

**ES6 stands for ECMAScript6.**

**Features :-**

* **Classes**
* **Arrow functions**
* **Variables (let, const,var)**

**ES6 introduced classes**

**A class is a type of function but instead of using the keyword function to initiate it, we use the keyword class and the properties are assigned inside a constructor method.**

**Example 1**

**class Car{**

**constructor(name){**

**this.brand=name;**

**}**

**}**

**Creating an object**

**myCar=new Car(“Ford”);**

**ES6 arrow functions**

**An arrow function expression has a shorter syntax compared to function expressions. Arrow functions are always anonymous.**

**Meaning :- Arrow functions allow us to write short function syntax.**

**Syntax:**

**()=>{statements};**

**Example :- then and now**

**hello=function(){**

**return “Hello world”;**

**}**

**With Arrow function**

**hello=()=>{**

**return “Hello World”;**

**}**

**Example 1**

**function sum(a,b){**

**return a+b**

**}**

**let sum2=(a,b)=>{a+b}**

**Example2**

**function isPositive(number){**

**return number>=0**

**}**

**let positive2=(number)=> number>=0**

**Example3**

**document.addEventListener(‘click’,function(){**

**console.log(‘Click’)**

**})**

**document.addEventListener(‘click’,()=>console.log(‘click’) )**