

ES features

1. For creating the variables two new keywords are introduced

-> let : These keywords are used in the block scope

-> const : With const keyword we can't manipulate the data once assigned and scope is also the block scope

-> var - The scope of the var keyword is the function scope , which is accessible through out the function.

2. **Arrow functions** : Concise way of the creating the function

Easy readability

Example:

```
(argument)=>expression
```

```
(argument)=>{  
  return expression  
}
```

```
(arguments)=>(expression)
```

3. **Multi-line string is the feature of ES6**

Example: `const str = ` AI is the one of the most powerful technology which help in making the ML engineering.`;`
`console.log(str);`

4. **Default Parameters** : We can give the default value to the parameter, so that single code is use by multiple requirement and also pass the default argument passed in arrow function

```
function add(a,b=0,c=0)
{
    return a+b+c;
}
console.log(add(3,5,6));
console.log(add(3,4));
console.log(add(3));
```

5. Template Literals :

Example:

```
const num1=7;
const num2=10;
console.log(`Value of ${num1} and ${num2} is ${num1+num2}`);
```

6. Destructing Assignments :

```
const myArray = [10,19];
[num1,num2,num3]=myArray;
console.log(num1); // 10
console.log(num2); // 19
console.log(num3); // undefined
```

```
const myArray = [10,10,38,404,404]
[num1,...num2]=myArray;
console.log(num1);
console.log(num2);
```

7. Promises

8. Enhanced object Literals