

Javascript

var number = "Arslan"

num = 8

<u>var</u>	<u>let</u> in the scope only	<u>const</u>
var myName var myName = "Beau";	let ourName = "freecodecamp";	const pi = 3.14; myName = 8;

```
var a;  
a = 7;  
console.log(a);
```

+ is used for concatenation

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Case Sensitive in Variables

// declaration

var stUdY, PROPER;

// Assignment

STUDY = 10;

Proper = "A String";

So,

var study, proper;

study = 10;

proper = "A String";

var sum = 10 + 10;

console.log(sum);

var product = 8 * 10

console.log(product);

sum -- ;

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var a = 5;

var b = 12;

a = a - 6 | a -= 6

a = a * 6 | a *= 6

a = a / 2; | a /= 2;

var fname = "Arslan"

var lname = "Arif"

var str = "Arslan" + "Arif"

console.log(str);

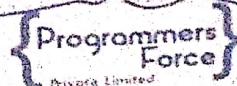
var ourName = "free code Camp";

var ourStr = "Hello, our name is " + ourName +

" , how are you?";

~~var~~ myName = "Beau";

console.log(ourStr);



var firstNameLength = 0; Length

var firstName = "Ada";

firstNameLength = ~~first~~ firstName.length;

→ return you the length of firstName

* Bracket Notation

var firstName = "Ada";

var secondLetterOfFirstName = firstName[1];

Last Character in String.

var fname = "Ada";

var 1LetterOfFname = firstName[firstName.length - 1]

var (Letter of F name) = first Name [first Name.length - 1];

Functions

```
function wordBlanks (Noun, adjective, verb) {
```

```
    var result = "";
```

```
    result += "The " + adjective + " " +  
             Noun + " " + verb;
```

```
    return result;  
}
```

```
console.log (wordBlanks ("dog", "big", "ran"));
```

```
console.log (wordBlanks ("bike", "slow", "flew"));
```

Array

```
var ourArray = ["John", 23];
```

Nested

```
var Array = [ ["The universe", 42], ["everything",  
1010111] ];
```

Access Array data,

```
var ourArray = [2, 10, 9];  
var ourData = ourArray[0];  
console.log(ourData); // 2
```

Assign Array new value.

```
var array = [18, 11, 10];  
array[0] = 2;  
array[1] = 3;  
console.log(array); // [2, 3, 10]
```


var myArray = [[1, 2, 3], [4, 5, 6], [8, 11, 9],
[[10, 11, 12], 13, 14]];

var myData = myArray[3][0][1];
console.log(myData);

pop → end sy value nikalta hy

var array = [1, 2, 3];

var removeFromArray = array.pop();

OR

var array = [{"John", 23}, {"cat", 21}];

var removeFromArray = array.pop();

console.log(array);

~~[3][0][1]~~

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shift → pehla element remove karta hy

```
var array = ["Arslan", "Arif"];
```

```
var removedFromArray = array.shift();
```

Unshift → shuru mai element add karta hy

```
var array = ["Arslan", "Arif"];  
var array = [ ["Arslan", 1], ["Ahmad", 2] ];
```

```
array.shift();
```

```
array.unshift(["paul", 3]);
```