**Code Snippet 1**

var arr = ["Up", "You", "Give", "To", "Going", "Never"];

function hello() {

console.log('hello');

}

hello();

console.log('Dojo');

|  |  |
| --- | --- |
| Value | Var |
| ["Up", "You", "Give", "To", "Going", "Never"] | arr |

**Console**

Hello

Dojo

**Code Snippet 2**

function hello() {

console.log('hello');

return 15;

}

var result = hello();

console.log('result is', result);

|  |  |
| --- | --- |
| Value | Var |
| hello  15 | result |

**Console**

hello

result is 15

**Code Snippet 3**

function numPlus(num) {

console.log('num is', num);

return num+15;

}

var result = numPlus(3);

console.log('x is', result);

|  |  |
| --- | --- |
| Value | Var |
| num is 3  18 | result |

**Console**

num is 3

x is 18

**Code Snippet 4**

var num = 15;

console.log(num);

function logAndReturn(num){

console.log(num);

return num;

}

var result = logAndReturn(10);

console.log(result);

console.log(num);

|  |  |
| --- | --- |
| Value | Var |
| 15 | num |
| 10  10 | result |

**Console**

15

10

10

15

**Code Snippet 5**

var num = 15;

console.log(num);

function timesTwo(num){

console.log(num);

return num\*2;

}

var result = timesTwo(10);

console.log(result);

console.log(num);

|  |  |
| --- | --- |
| Value | Var |
| 15 | num |
| 10  20 | result |

**Console**

15

10

20

15

**Code Snippet 6**

function timesTwoAgain(num) {

console.log('num is', num);

y = num\*2;

return y;

}

var result = timesTwoAgain(3) + timesTwoAgain(5);

console.log('result is', result);

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Value | | | Var |
| num is 3  num is 5  16 | | num is 3  num is 5  10 | num is 3  6 | result |
|  | | 5 | 3 | num |
|  | | 10 | 6 | y |

**Console**

num is 3

num is 5

result is 16

**Code Snippet 7**

function sumNums(num1, num2) {

return num1+num2;

}

console.log(sumNums(2,3))

console.log(sumNums(3,5))

|  |  |  |
| --- | --- | --- |
| Value | | Var |
| 3 | 2 | num1 |
| 5 | 3 | num2 |

**Console**

5

8

**Code Snippet 8**

function printSumNums(num1, num2) {

console.log(num1);

return num1+num2;

}

console.log(printSumNums(2,3))

console.log(printSumNums(3,5))

|  |  |  |
| --- | --- | --- |
| Value | | Var |
| 3 | 2 | num1 |
| 5 | 3 | num2 |

**Console**

2

5

3

8

**Code Snippet 9**

function sumNums(num1, num2) {

var sum = num1 + num2;

console.log('sum is', sum);

return sum;

}

var result = sumNums(2,3) + sumNums(3,5);

console.log('result is', result);

|  |  |  |
| --- | --- | --- |
| Value | | Var |
| sum is 5  sum is 8  13 | sum is 5  5 | result |
| 3 | 2 | num1 |
| 5 | 3 | num2 |
| 8 | 5 | sum |

**Console**

sum is 5

sum is 8

result is 13

**Code Snippet 10**

function sumNums(num1, num2) {

var sum = num1 + num2;

console.log('sum is', sum);

return sum;

}

var result = sumNums(2,3) + sumNums(3,sumNums(2,1)) + sumNums(sumNums(2,1),sumNums(2,3));

console.log('result is', result);

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Value | | | | | | | Var |
| sum is 5  sum is 3  sum is 6  sum is 3  sum is 5  sum is 8  19 | sum is 5  sum is 3  sum is 6  sum is 3  sum is 5  sum is 8  8 | sum is 5  sum is 3  sum is 6  sum is 3  sum is 5  5 | sum is 5  sum is 3  sum is 6  sum is 3  3 | sum is 5  sum is 3  sum is 6  11 | sum is 5  sum is 3  3 | sum is 5  5 | result |
|  | 3 | 2 | 2 | 3 | 2 | 2 | num1 |
|  | 5 | 3 | 1 | 3 | 1 | 3 | num2 |
|  | 8 | 5 | 3 | 6 | 3 | 5 | sum |

**Console**

sum is 5

sum is 3

sum is 6

sum is 3

sum is 5

sum is 8

result is 19