

```
// CODE SNIPPET 1
function hello() {
  console.log('hello');
}
hello();
console.log('Dojo');
```

VARIABLE	VALUE
n / a	n / a
CONSOLE	hello Dojo

```
//CODE SNIPPET 2
function hello() {
  console.log('hello');
  return 15;
}
var result = hello();
console.log('result is', result);
```

VARIABLE	VALUE
result	hello 15
CONSOLE	result is hello 15

```
//CODE SNIPPET 3
function numPlus(num) {
  console.log('num is', num);
  return num+15;
}
var result = numPlus(3);
console.log('x is', result);
```

VARIABLE	VALUE
result	num is 3
CONSOLE	num is 3 x is 18

```
//CODE SNIPPET 4 - there is a twist
var num = 15;
console.log(num);
function logAndReturn(num){
  console.log(num);
  return num;
}
var result = logAndReturn(10);
console.log(result);
console.log(num);
```

VARIABLE	VALUE
num	15
result	10
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);
```

VARIABLE	VALUE
num	15
result	10
CONSOLE	15 10 30

CODE CHALLENGE: RETURNS

//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);
```

VARIABLE	VALUE
num	3
	5
y	6
	10
result	num is 3
	num is 5

CONSOLE	num is 3 num is 5 result is 16
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//CODE SNIPPET 7

```
function sumNums(num1, num2) {  
  return num1+num2;  
}  
  
console.log(sumNums(2,3))  
console.log(sumNums(3,5))
```

VARIABLE	VALUE
num 1	2
	3
num 2	3
	5

CONSOLE	5 8
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//CODE SNIPPET 8

```
function printSumNums(num1, num2) {  
  console.log(num1);  
  return num1+num2;  
}  
  
console.log(printSumNums(2,3))  
console.log(printSumNums(3,5))
```

VARIABLE	VALUE
num 1	2
	3
num 2	3
	5

CONSOLE	2 5 3 8
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//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);
```

VARIABLE	VALUE
num 1	2
	3
num 2	3
	5
sum	5
	8
result	13

CONSOLE	sum is 5 sum is 8 result is 13
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//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);
```

VARIABLE	VALUE
num 1	2
	3
	2
	2
	2
	2

VARIABLE	VALUE
num 2	3
	1
	2
	2

VARIABLE	VALUE
sum	5
	3
	3
	3
	3
	5

VARIABLE	VALUE
result	sum is 5
	sum is 3
	sum is 6
	sum is 3
	sum is 5
	sum is 8
	sum is 19

CONSOLE	sum is 5 sum is 3 sum is 6 sum is 3 sum is 5 sum is 8 result is 19
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