**15 out of 15**

1.

function a(){

return 35;

}

console.log(a())

Output:

35

|  |  |
| --- | --- |
| a() | 35 |
|  |  |

2.

function a(){

return 4;

}

console.log(a()+a());

Output:

8

|  |  |
| --- | --- |
| a() | 4 |
|  |  |

3.

function a(b){

return b;

}

console.log(a(2)+a(4));

Output:

6

|  |  |
| --- | --- |
| a(2) | 2 |
| a(4) | 4 |

|  |
| --- |
| a(2) |
| b | 2 |
|  |  |

|  |
| --- |
| a(4) |
| b | 4 |
|  |  |

4.

function a(b){

    console.log(b);

return b\*3;

}

console.log(a(3));

Output:

3

9

|  |  |
| --- | --- |
| a(3) | 9 |
|  |  |

|  |
| --- |
| a(3) |
| b | 3 |
|  |  |

5.

function a(b){

return b\*4;

console.log(b);

}

console.log(a(10));

Output:

40

|  |  |
| --- | --- |
| a(10) | 40 |
|  |  |

|  |
| --- |
| a(10) |
| b | 10 |
|  |  |

6.

function a(b){

if(b<10) {

return 2;

}

    else {

return 4;

}

console.log(b);

}

console.log(a(15));

Output:

4

|  |  |
| --- | --- |
| a(15) | 4 |
|  |  |

|  |
| --- |
| a(10) |
| b | 15 |
|  |  |

7.

function a(b,c){

return b\*c;

}

console.log(10,3);

console.log( a(3,10) );

Output:

10 3

30

|  |  |
| --- | --- |
|  |  |
| a(3,10) | 30 |

|  |
| --- |
| a(3,10) |
| b | 3 |
| c | 10 |

8.

function a(b){

for(var i=0; i<10; i++){

console.log(i);

}

return i;

}

console.log(3);

console.log(4);

Output:

3

4

9.

function a(){

for(var i=0; i<10; i++){

i = i +2;

console.log(i);

}

}

a();

Output:

2

5

8

11

|  |  |
| --- | --- |
| a() |  |
| i | 2 3 5 6 8 9 11 12 |

10.

function a(b,c){

for(var i=b; i<c; i++) {

console.log(i);

}

return b\*c;

}

a(0,10);

console.log(a(0,10));

Output:

0

1

2

3

4

5

6

7

8

9

0

1

2

3

4

5

6

7

8

9

0

|  |  |
| --- | --- |
| a(0,10) |  |
| b | 0 |
| c | 10 |
| i | 0 1 2 3 4 5 6 7 8 9 10 |

11.

function a(){

for(var i=0; i<10; i++){

for(var j=0; j<10; j++){

console.log(j);

}

console.log(i);

}

}

Output:

12.

function a(){

for(var i=0; i<10; i++){

for(var j=0; j<10; j++){

console.log(i,j);

}

console.log(j,i);

}

}

Output:

13.

var z = 10;

function a(){

var z = 15;

console.log(z);

}

console.log(z);

Output:

10

|  |  |
| --- | --- |
| z | 10 |
|  |  |

14.

var z = 10;

function a(){

var z = 15;

console.log(z);

}

a();

console.log(z);

Output:

15

10

|  |  |
| --- | --- |
| z | 10 |
|  |  |

|  |  |
| --- | --- |
| a() |  |
| z | 15 |

15.

var z = 10;

function a(){

var z = 15;

console.log(z);

return z;

}

z = a();

console.log(z);

Output:

15

15

|  |  |
| --- | --- |
| z | 10 15 |
|  |  |

|  |  |
| --- | --- |
| a() |  |
| z | 15 |