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**Introduction to Programming**

**Algorithm III**

*function* multiply(x,y){

console.log(x);

console.log(y);

}

b = multiply(2,3);

console.log(b);

Output: 2, 3

*function* multiply(x,y){

return x\*y;

}

b = multiply(2,3);

console.log(b);

console.log(multiply(5,2));

Output: 6, 10

var x = [1,2,3,4,5,10];

for(var i=0; i<5; i++)

{

i = i + 3;

console.log(i);

}

Output: 3, 7

var x=15;

console.log(x);

*function* awesome(){

var x=10;

console.log(x);

}

console.log(x);

awesome();

console.log(x);

Output: 15, 15, 10, 15

for(var i=0; i<15; i+=2){

console.log(i);

}

Output: 0, 2, 4, 6, 8, 10, 12, 14

for(var i=0; i<3; i++){

for(var j=0; j<2; j++){

console.log(i\*j);

}

}

Output: 0, 0, 0, 1, 0, 2

*function* looping(x,y){

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

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

console.log(i\*j);

}

}

}

z = looping(3,3);

console.log(z);

Output: 0, 0, 0, 0, 1, 2, 0, 2, 4

*function* looping(x,y){

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

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

console.log(i\*j);

}

}

return x\*y;

}

z = looping(3,5);

console.log(z);

Output: 0, 0, 0, 0, 0, 1, 2, 3, 4, 0, 2, 4, 6, 8, 15