1. function array(){

     var arr= [];

     for(var i=1; i<256; i++){

         arr. push(i);

     }

     return arr;

     }

     console.log(array());

2.function evenNumbers(){

     var sum = 0

     for(var i=2; i<1001; i+=2){

         sum = sum+i;

     }

     return sum;

}

     console.log (evenNumbers());

3. function oddNumbers(){

     var sum = 0

     for(var i=1; i<5000; i+=2){

         sum = sum+i;

     }

     return sum;

}

     console.log(oddNumbers());

4. function array([a,b,c,d]){

     return a+b+c+d;

}

     console.log(array([1,2,3,4]));

5. function array(arr){

for(var i = 0; i < arr.length; i++){

if(arr[i] > arr.length){

console.log(arr[i]);

}

}

}

     console.log (array([1,2,3,9]));

6. function array([a,b,c,d]){

     return a+b+c+d/4;

}

     console.log (array([25,50,75,100]));

7. function array(){

     var arr = []

     for(var i=1; i<50; i+=2){

     arr. push(i);

     }

     return arr;

}

     console.log (array());

8. function greaterY(arr, y){

var count = 0

for(var i = 0; i < arr.length; i++){

if(arr[i] > y)

count++;

}

return count;

}

console.log ("number of elements", greaterY([1,3,5,7], 3));

9. function squareValue(arr){

for(var i = 0; i < arr.length; i++){

if(arr[i] < arr.length)

arr[i] = arr[i]\*arr[i];

}

return arr;

}

console.log(squareValue([1,2,3,2,1]));

10. function negativeValues(arr){

for(var i = 0; i < arr.length;i++){

if(arr[i] < arr.length)

arr[i] = 0;

}

return arr;

}

console.log(negativeValues([10,15,-20,-30]));

11. function MinMaxAvg(arr){

var arrNew = []

var max = 8

var min = 1

var sum = 15

for(var i = 0; i < arr.length; i++){

if(arr[i] < arr.length){

arrNew.push(max)

arrNew.push(min)

arrNew.push(sum/arr.length);

}

}

return arrNew;

}

console.log(MinMaxAvg([1,6,8]));

12. function swap(arr){

for(var i = 0; i < arr.length/2; i++){

temp = arr[0];

arr[0] = arr[1];

arr[1] = temp;

}

return arr;

}

console.log(swap([1,2]));

13. function replaceN(arr){

for(var i = 0; i < arr.length/2; i++){

if(arr[i] < arr.length){

arr[i] = 'Dojo';

}

}

return arr;

}

console.log(replaceN([-1,-5,5,10]));