**ASSIGNMENT**

**ANONYMOUS FUNCTION AND IIFE FUNCTION**

**IIFE----IMMEDIATELY INVOKED FUNCTION EXPRESSION.**

**1.PRINT ODD NUMBERS…**

**ANONYMOUS FUNCTION:**

var odd=function(){

var a=[1,2,3,4,5];

var ss=[];

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

if(a[i]%2==0){

}

else{

ss.push(a[i]);

}

}

console.log(ss);

};

odd();

Output:

[1,3,5]

**IIFE FUNCTION:()()method.**

var odd=(function(){

var a=[1,2,3,4,5];

var ss=[];

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

if(a[i]%2==0){

}

else{

ss.push(a[i]);

}

}

console.log(ss);

})

();

Output:

[1,3,5]

**2.print string to uppercase:**

ANONYMOUS FUNCTION:

var uppercase=function(){

var a="my name is kavinkumar";

console.log(a.toUpperCase());

};

uppercase();

Output:

MY NAME IS KAVINKUMAR.

IIFE FUNCTION:

var uppercase=(function(){

var a="my name is kavinkumar";

console.log(a.toUpperCase());

})

();

Output:

MY NAME IS KAVINKUMAR.

**3.sum of numbers in array:**

ANONYMOUS FUNCTION:

var a=function(arr){

var sum=0;

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

sum=sum+arr[i];

}

console.log(sum)

}

a([1,2,3,4,5]);

Output:

15.

IIFE FUNCTION:

var a=(function(arr){

var sum=0;

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

sum=sum+arr[i];

}

console.log(sum)

})

([1,2,3,4,5]);

Output:

15.

**4.prime number in array:**

**ANONYMOUS FUNCTION:**

var primenumber=function(){

for(i=2;i<=20;i++){

for(j=2;j<i;j++){

if(i%j==0){

break;

}

}

if(i==j){

console.log(i);

}

}

};

primenumber();

Output:

2 3 5 7 11 13 17 19

**IIFE FUNCTION:**

var primenumber=(function(){

for(i=2;i<=20;i++){

for(j=2;j<i;j++){

if(i%j==0){

break;

}

}

if(i==j){

console.log(i);

}

}

})

();

Output:

2 3 5 7 11 13 17 19.

**5. Remove duplicates in an array;**

**ANONYMOUS FUNCTION:**

var a=[10,20,30,10,30]

var duplicate=function(){

var c=a.filter((val,index)=>a.indexOf(val)==index);

console.log(c);

};

duplicate();

Output:

[ 10, 20, 30 ]

**IIFE FUNCTION:**

var a=[10,20,30,10,30]

var duplicate=(function(){

var c=a.filter((val,index)=>a.indexOf(val)==index);

console.log(c);

})

();

Output:

[ 10, 20, 30 ]

**6. Palindrome:**

**ANONYMOUS FUNCTION:**

var a="racecar";

var palindrome=function(){

var b=a.split("").reverse().join("");

if(b==a){

console.log("true");

}

else{

console.log("false")

}

}

palindrome();

Output:

true.

**IIFE FUNCTION:**

var a="racecar";

var palindrome=(function(){

var b=a.split("").reverse().join("");

if(b==a){

console.log("true");

}

else{

console.log("false")

}

})

();

Output:

true.

**ARROW FUNCTION:**

**1.Print odd numbers in an array;**

var odd=(arr)=>{

var ss=[];

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

if(arr[i]%2==0){

}

else{

ss.push(arr[i]);

}

}

console.log(ss);

};

odd([1,2,3,4,5]);

Output:

[1,3,5]

**2.Print string to upper case;**

var caps=()=>{

var a="my name is kavinkumar";

console.log(a.toUpperCase())

}

caps();

Output:

MY NAME IS KAVINKUMAR.

**3.Print sum of numbers in array;**

var add=(arr)=>{

var sum=0;

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

sum=sum+arr[i];

}

console.log(sum);

}

add([1,2,3,4,5]);

Output:

15

**4.Palindrome;**

var a="racecar";

var palindrome=()=>{

var b=a.split("").reverse().join("");

if(b==a){

console.log("true");

}

else{

cosol.log("false")

}

}

palindrome();

Output: true..