Do the below programs in arrow functions

1)Print odd numbers in an array

var odd=(arr)=>

{

var arr1="";

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

{

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

{

arr1=arr1+" "+arr[i]+ " ";

}

}

return arr1;

}

console.log(odd([1,2,3,4,5,6,7,8,9]))

Output:

1 3 5 7 9

Execution Time:

0.065s

Memory Used:

8084kb

2)Convert all the strings to title caps in a string array

var titlecaps=(arr)=>

{

var arr1="";

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

{

arr1= arr1+" "+arr[i].charAt(0).toUpperCase()+arr[i].slice(1,arr[i].length);

}

return arr1;

}

console.log(titlecaps(["vicky","divya","kirthik"]));

Output:

Vicky Divya Kirthik

Execution Time:

0.064s

Memory Used:

8136kb

3)Sum of all numbers in an array

var sum=(arr)=>

{

var sum=0;

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

{

sum=sum+arr[i];

}

return sum;

}

console.log(sum([1,2,3,4,5]));

Output:

15

Execution Time:

0.066s

Memory Used:

8116kb

4)Return all the prime numbers in an array

var prime=(arr)=>

{

var arr1="";

var sum=0;

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

{

for(var j=2;j<=arr[i];j++)

{

if((arr[i] % j) ===0)

{

sum=sum+1;

}

}

if(sum===1)

{

arr1=arr1+" "+arr[i]+" ";

}

sum=0;

}

return arr1;

}

console.log(prime([5,4,2,3]));

Output:

5 2 3

Execution Time:

0.068s

Memory Used:

8112kb

5)Return all the palindromes in an array

var palindrome=(arr)=>

{

var arr1="";

var arr2="";

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

{

for(var j=arr[i].length-1;j>=0;j--)

{

arr1= arr1+arr[i].charAt(j);

}

if(arr[i]==arr1)

{

arr2=arr2+" "+arr1;

}

arr1="";

}

return arr2;

}

console.log(palindrome(["malayalam","Kirthik","madam","vignesh"]));

Output:

malayalam madam

Execution Time:

0.066s

Memory Used:

8176kb