## Q: Reverse a string without using the built-in reverse() method.

  function func(getvalue){

    let value2='';

    for(let i=getvalue.length-1;i>=0;i--){

         value2 += getvalue[i];

    }

    return value2;

  }

  let word='Hello World';

  let word2=func(word);

console.log(word2)

## Out put



## Q:2 Count the number of vowels in a given string?

let letter='a e i o u';

let lengthletter=letter.length;

let space=0;

for(i=0;i<lengthletter;i++)

{

    if(letter[i]==" "){

        space++;

    }

}

console.log(space);

## output



## Q:3 Convert the first letter of each word in a sentence to uppercase.

let array=("what is your name");

function ary(str){

   let word = str.split(' ');

   let secondword='';

    for(let i=0;i < word.length;i++)

    {

      word[i] = word[i].charAt(0).toUpperCase() + word[i].slice(1);

    }

    let answer=word.join(' ')

    return answer;

}

console.log(ary("what is your name"))

## output



## 4. Question: Check if a string is a palindrome.

function plaindrom(data)

{

  let starte=0;

  let end=data.length-1;

  let result ="";

  for(let i=starte;i<end;i++){

    if(data[starte] ==data[end])

    {

      result="This is a Plaindrome"

    }

    else if(data[starte] !=data[end])

    {

      result="This is not Plaindrome"

    }

    starte++;

    end--;

  }

  return result;

}

let givevalue="level";

console.log(plaindrom(givevalue));

## out put:



## 5. Question: Find the sum of all positive numbers in an array.

let numbersArray = [1, -2, 3, -4, 5];

let sum = 0;

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

  if (numbersArray[i] > 0) {

    sum += numbersArray[i];

  }

}

console.log(sum);

## output:



## 6. Question: Find the index of the first occurrence of a specific element in an array.

let Array=['Apple','car','Football','bat']

let find=Array.indexOf('Apple');

console.log('this Element Exist in Array',find)

## output:



## 7. Question: Remove all duplicates from an array without built-in methods.

function Array(str){

   let uniqueArray=[];

   for(let i=0;i<str.length;i++){

    if(uniqueArray.indexOf(str[i])==-1){

        uniqueArray.push(str[i])

    }

   }

   return uniqueArray;

}

let duplicateArray=['Apple','car','Football','bat','Hockey','Tenis','Football','bat','Hockey','Tenis'];

   let OrignalArray=Array(duplicateArray);

   console.log('This is a Correct Array',OrignalArray);

## output:

## 9. Question: Print all even numbers between 1 and 20 using a while loop

let evennum=[];

let i=0;

while(i<=20){

if(i%2==0){

    evennum.push(i);

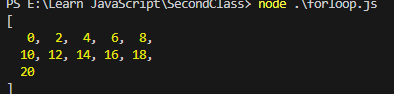
}

i++;

}

console.log(evennum);

## output:



## 13. Question: Check if a number is even or odd and return a corresponding message.

    let message='';

    if(str%2==0)

    {

     message='This Number is Even';

    }

    else

    {

     message='This Number is Odd';

    }

    return message

}

console.log(Checknum(13));

## output:

