1. <Write JS code to display all the prime numbers between 5 and 50. Log the output to the browser console.

Ans: const lowerNumber=ParseInt(prompt(“Enter lower number:’));

Const highNumber=ParseInt(prompt(“Enter the higher number:”));

Console.log(“The prime numbers between ${lowerNumber}and ${higherNumber}are:”);

For(let i=lowerNumber;i<=higherNumber; i++){

let flag=0;

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

if(i%j==0){

flag=1;

break;

}

}

If(i<1 && flag==0){

console.log(i);

}

}

1. Write JS code to reverse the digits of a number. Store the number in a variable.

Ans: let rev=0;

let num=123456;

let lastDigit;

while(num!=0){

lastDigit=num%10;

rev=rev\*10+lastDigit;

num=Math.floor(num/10);

}

Console.log(“reverse number: ”+rev);

3. Write JS code to reverse a string. Store the string in a variable.

Ans: function reverseString(str){

const arrayStrings=str.split(“”);

const reverseArray=arrayStrings.reverse();

const joinArray =reverseArray.join(“”);

Return joinArray;

const string=prompt(“enter a string:”);

const result =reverseString(string;

console.log(result);

1. Write JS code to create an array of 10 numbers. Find the first two maximum numbers in the array

Ans:

<body>

<script>

Const student=new Array(10);

Var elm=prompt(“Enter numbers”);

For(let i=0;i<10;i++){

Student[i]=prompt();

}

For(let i=0;i<10;i++)

{

Document.write(student[i]+<br>”);

}

</script>

</body>

1. Write JS code to sort the array created in assignment 4 in a reverse order.

Ans:<body>

<script>

Function);

Const no=[13,56,2,5,9,12,6,78,34,21];

No.sort(compareFunction);

Console.log(no);

Function compareFunction(a,b){

Return a-b;

</script>

</body>

1. Write JS code to find the sum of all even numbers in an array of 10 numbers. In case there are no even numbers, log a message to the browser console saying **No even numbers found.**

Ans: <body>

<script>

Const arr=[3,6,3,8,1];

Sum=0;

Count=0;

For(let i=0;i<arr.length;i++)

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

Sum+=arr[i];

Count++;

}

}

If(count>0) {

Document.write(sum);

Console.log(“even nos are there”);

Else{

Console.log(“no even nos”);

}

</script>

</body>

1. Write JS code to find the factorial of each number inside an array of 5 elements. The factorial of each number must then be stored in another array of the same size. Print the result array on the console.

Ans: <body>

‘<script>

Const arr1=new array(5);

For(let i=0;i<5;i++){

Arr[i]=prompt();

}

Const arr2=new Array(5);

Fact=1;

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

For let j=1;j<arr[i];j++) {

Fact=fact\*j;}

arr[2]=fact;

}

For(let i=0;i<5;i++) {

Document.write(arr2[i]+””);

}

</script>

</body>

1. Write JS code to find the number of vowels in the string **CITIUSTECH.** If the vowel is repeated, it must be counted as 1.

Ans: <body>

<script>

Var strings=”CITIUSTECH”;

Const reg=/[aeiou]/gi;

Var count=string.match(reg);

Console.log(count);

</script>

</body>

1. Write JS code to create an array of 5 strings. Convert the last character of each string to uppercase and store the output in the same array. Print the final array.

Ans: <body

<script>

Const string=new array(5);

For(let i=0;i<5;i++) {

String[i]=prompy(“Enter the strings”);

For(let i=0;i<string.length;i++) {

Let str1=string[i];

For(j=0;i<str1.length;j++) {

If(j==sre1.length-1) {

Let last=str[j].toUppercase();

Console.log(last);

}

}

}

</script>

</body>

1. Write JS code to determine how many digits are repeated in the number **7312140905.**

 Ans:<body>

<script>

Function countDigits(n) {

Var res=0;

Var count=Array(10).fill(0;

While(n>0) {

Var rem=n%10;

Count++;

N=Math.floor(n/10);

}

For(var i=0;i<10;i++) {

If (count[i]>1) {

Res++;

}

}

Return res;

}

Var n=7312140905;

Console.log((countDigits(n)));

</script>

</body>