2) Develop and Demonstrate a HTML 5 file that includes Javascript that uses function for the following Problems

a) Parameter : A String

b) Output : The Position in the string of the left most vowel.

c) Parameter : A number

d) Output : The number with its digit in the reverse order.

```html
<! DOCTYPE HMIL>
<html>
<head>
</head>
<body>
<script>
    var str = Prompt ("Enter the Input", "")
    if (!(is NAN (str))
      {
          var num, rev =0, rem;
          num = ParseInt (str);
          while (num !=0)
            {
```

```
remainder = num % 10;
num = ParseInt (num | 10);
rev = rev * 10 + rem;
}

    alert (" Reverse of "+ str + "is" + rev);
    }

else
    {
        str = str.touppercase();
        for (var i=0; i < str.length ; i++)
        {
            var char = str.charAt (i)
            if (chr == "A") || chr == 'E' || chr == 'I' || chr == 'O')
                break ;

        }

if (i < str.length)

    alert (" the Position of the left most vowel is"+(i+1));
else
    alert ("No vowel found in the entered string ");
    }
    </script> </body> </html>
```

# Challenge Program

1) Reverse of Number and Product of the same

```
<! DocTYPE HTML>
<html>
<head>
</head>
<body>
<script>
const num = Prompt ("Enter the number ");

const reverse = (num) => ParseInt (String(num))

Split (" ")

reverse ()

joint (" ", 10);

alert ("The Reverse of Number " + reverse (num) +
    "and Product is" + reverse (num) * num );
</script>
</body>
</html>
```

2) Count the numer of vowels in a string.

```
<! DocTYPE HTMD>
<html>
<head>
<meta charset =utf = 8\>
```

```
<title> count the number of vowels in a string </title>
<head>
< body>
<P id = "demo"> </P>

< script>
function   vowel (str) {

    cont   count = str. match ( /[aeiou] /gi ). length ;

    return count ;

}

const string = Prompt ("enter a string");

const result = count (string);
    window . alert (" The vowels in the string are" + result);
</ script>
</ body>
</html>
```