Assignment-4

Develop and demonstrate a HTML5 file that includes JavaScript script that uses functions 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 digits in the reverse order

```html
<!DOCTYPE HTML>

<html>

<head><title>Program-4</title></head>

<body>

  <script type="text/javascript">

    var str = prompt("Enter the Input", "");

    if (!(isNaN(str)))  //isNaN means is Not a Number

    {

      var num, rev = 0,remainder;

      num = parseInt(str);

      while (num != 0)

      {

        remainder = num % 10;

        num = parseInt(num / 10);

        rev = rev * 10 + remainder;

      }

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

    }
```

```
else

   {

       str = str.toUpperCase();

       for (var i = 0; i < str.length; i++)  //0,1,2,3

   }

           var chr = str.charAt(i);

           if (chr == 'A' || chr == 'E' || chr == 'I' || chr == 'O' || chr == 'U')

               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>
```
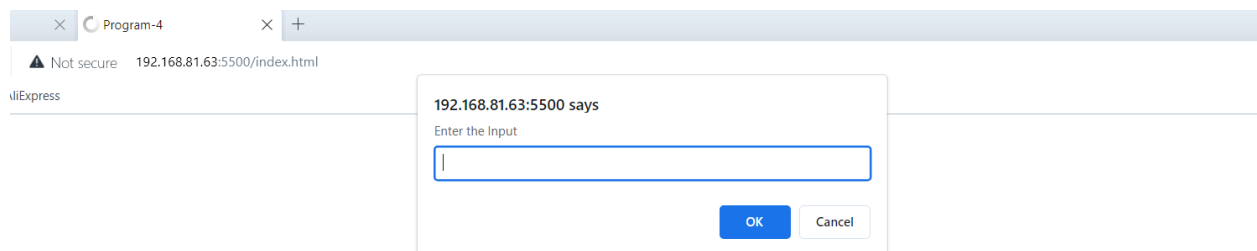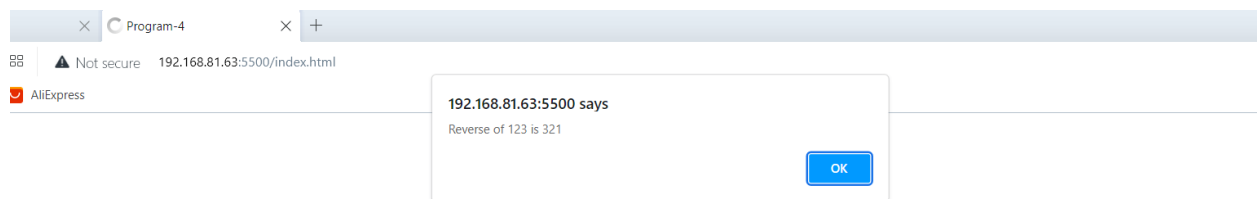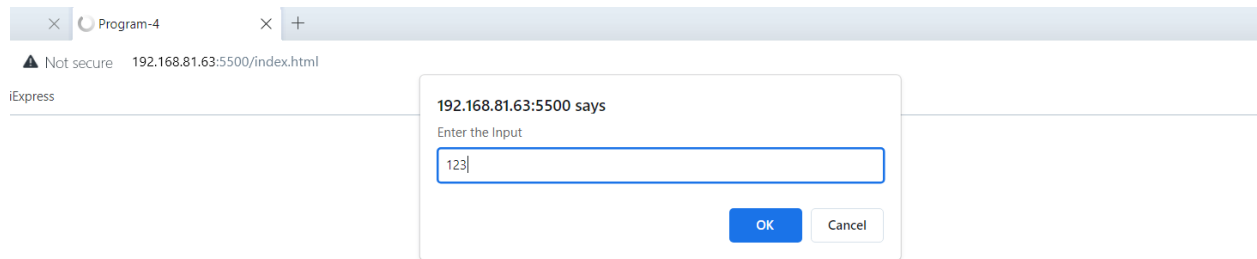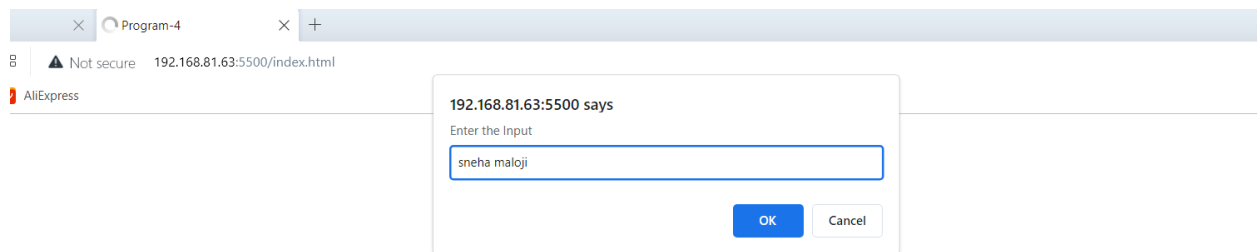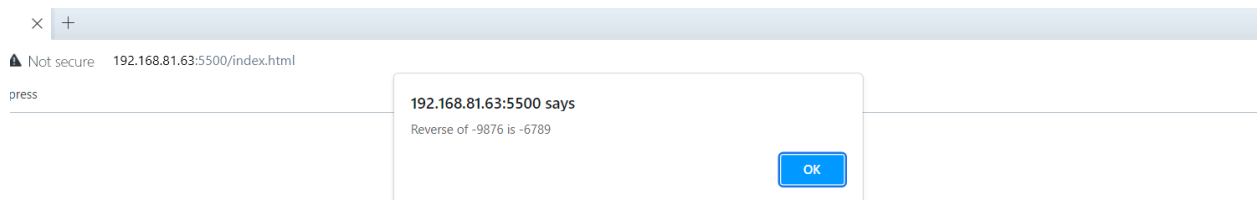
OUTPUT :

Output-1 :Integer Value test
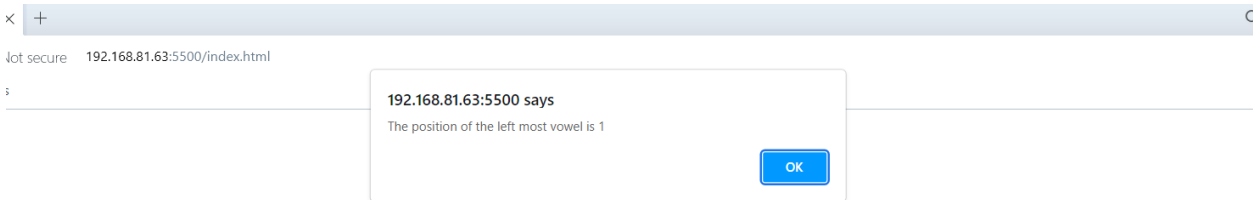

Output-2 :String Value test

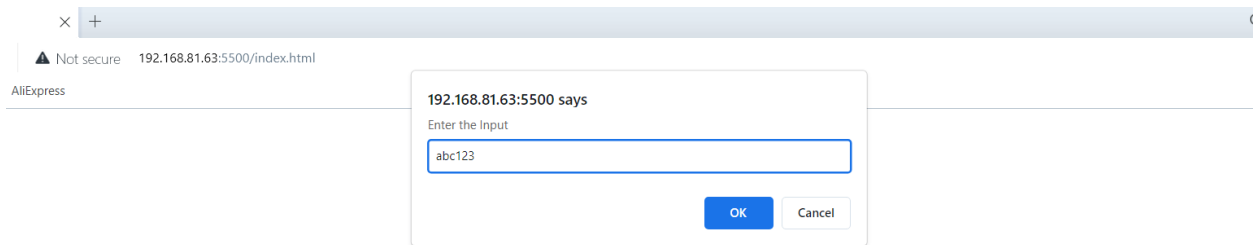192.168.81.63:5500 says

The position of the left most vowel is 3

OK

Output-3 :Negative Integer value

192.168.81.63:5500 says

Enter the Input

-9876

OK   Cancel

192.168.81.63:5500 says

Reverse of -9876 is -6789

OK
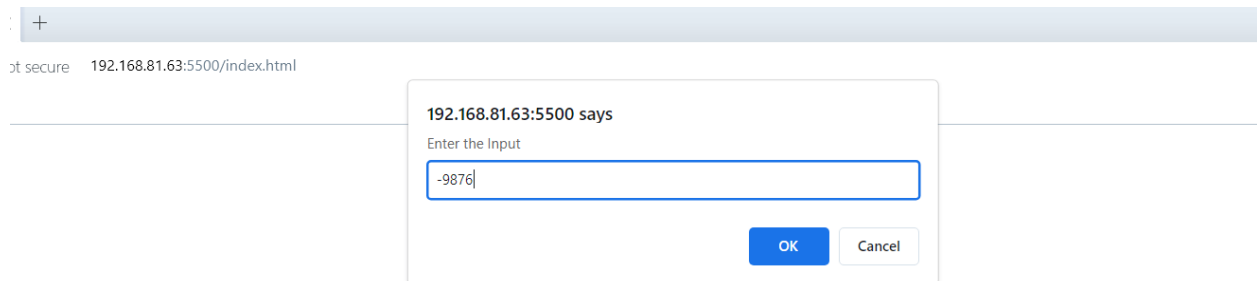
Output-4 :Alpha numerical value:

Output -5 :Non vowel string

192.168.81.63:5500 says

No vowel found in the entered string

OK
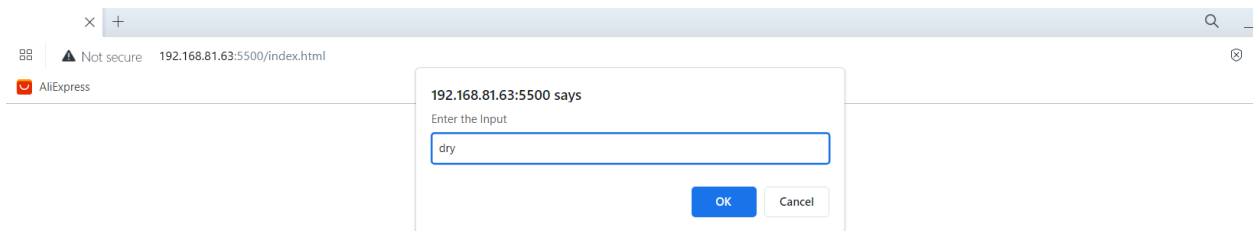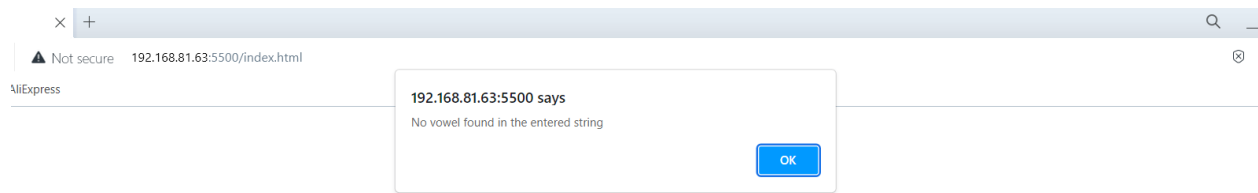
CHALLENGE4.html

<!DOCTYPE HTML>

<html>

<head>

  <title>challenge-4</title>

</head>

<body>

  <script type="text/javascript">

    var str = prompt("Enter the Input", "");

    if (!(isNaN(str))) //isNaN means is Not a Number

    {

      var num, rev = 0, remainder, product;

      num = parseInt(str);

      while (num != 0) {

        remainder = num % 10;

        num = parseInt(num / 10);

        rev = rev * 10 + remainder;

      }

      product = parseInt(str) * rev;

```javascript
        alert("Reverse of " + str + " is " + rev + "and their product is : " + product);

    }
    else {

        str = str.toUpperCase();

        count =0;

        for (var i = 0; i < str.length; i++) //0,1,2,3

        {

            var chr = str.charAt(i);

            if (chr == 'A' || chr == 'E' || chr == 'I' || chr == 'O' || chr == 'U')

            {

                count++;

            }

        }

    if (count>0)

        alert("The given string :" + str + " has " + count + " number of vowels.");

    else

        alert("No vowel found in the entered string");

    }
    </script>
</body>
</html>
```

OUTPUT :

172.16.16.186:5500 says

Enter the Input

3456

OK   Cancel

172.16.16.186:5500 says

Reverse of 3456 is 6543and their product is : 22612608

OK

Not secure   172.16.16.186:5500/index.html

amazon.in   AliExpress

172.16.16.186:5500 says

Enter the Input

WELCOME TO WORLD

OK   Cancel

Not secure   172.16.16.186:5500/index.html

azon.in   AliExpress

172.16.16.186:5500 says

The given string :WELCOME TO WORLD has 5 number of vowels.

OK