**Program-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>**

CODE:

<body>

<script type="text/javascript">

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

if(isNaN(str))

{

str = str.toUpperCase();

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

if(count ==0)

alert("No vowel found in the entered string '"+str+"'.");

else

alert("The number of vowels in the string '"+str+"' is "+count);

}

else

{

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+" and thier product is " +(str\*rev));

}

</script>

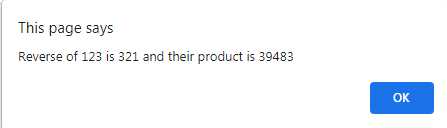
</body>

</html>

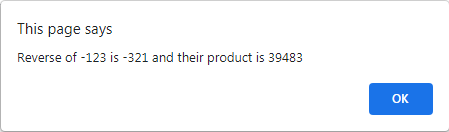
|  |  |  |  |
| --- | --- | --- | --- |
| **TEST NO** | **TEST CASE** | **EXPECTED OUTPUT** | **OUTPUT OBTAINED** |
| 1. | Integer Value: 321 | Reverse of 123 is 321 and their product is 39483 | Reverse of 123 is 321 and their product is 39483 |
| 2. | Negative Integer value: -123 | Reverse of -123 is -321 and their product is 39483 | Reverse of -123 is -321 and their product is 39483 |
| 3. | Alpha numerical value: AbCd1234 | The number of vowels in the string 'ABCD1234' is 1 | The number of vowels in the string 'ABCD1234' is 1 |
| 4. | Non vowel string: spy | No vowel found in the entered string | No vowel found in the entered string |
| 5. | Test case of choice: The quick brown fox jumps over the lazy dog | The number of vowels in the string 'THE QUICK BROWN FOX JUMPS OVER THE LAZY DOG' is 11 | The number of vowels in the string 'THE QUICK BROWN FOX JUMPS OVER THE LAZY DOG' is 11 |

**SNAPSHOTS:**

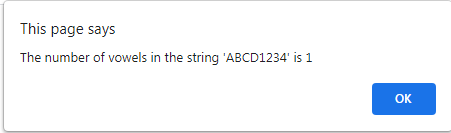
**1.**

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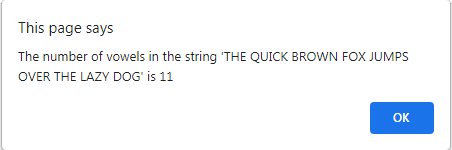
**2.**

****

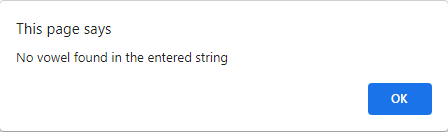
**3.**

****

**4.**

****

**5.**

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