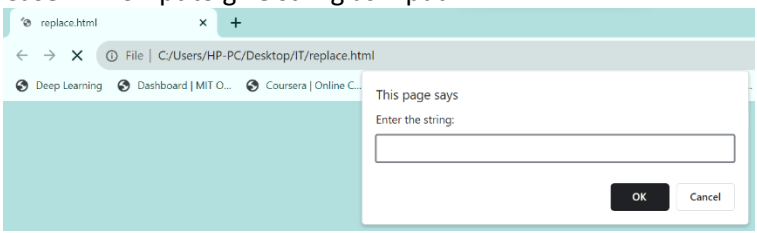
7. **Write a program in JavaScript to enter a string and replace each occurrence of a word with another word (entered by the user) without using replace method.**

Program:

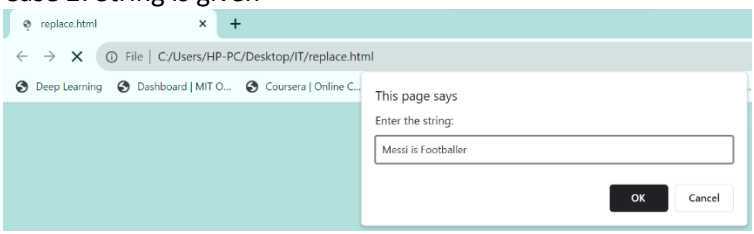
```
<html>
<body>
	<script>
		var str = prompt("Enter the string:");
		var word = prompt("Enter the word to replace:");
		var replace = prompt("Enter the word to replace with:");
		let arr = str.split(" ");
		let arr1 = word.split(" ");
		let arr2 = replace.split(" ");
		for(let i=0; i<arr.length; i++){
			for(let j=0; j<arr1.length; j++){
				if(arr[i] == arr1[j]){
					arr[i] = arr2[j];
				}
			}
		}
		document.write(arr.join(" "));
	</script>
</body>
</html>
```

Output:

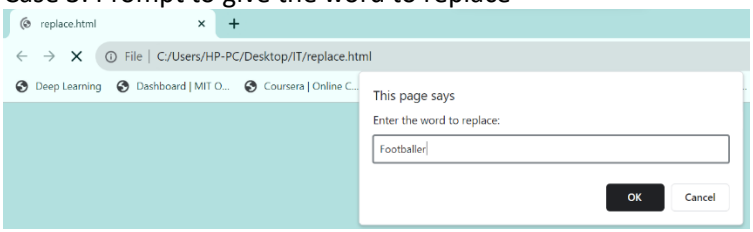
Case 1: Prompt to give string as input



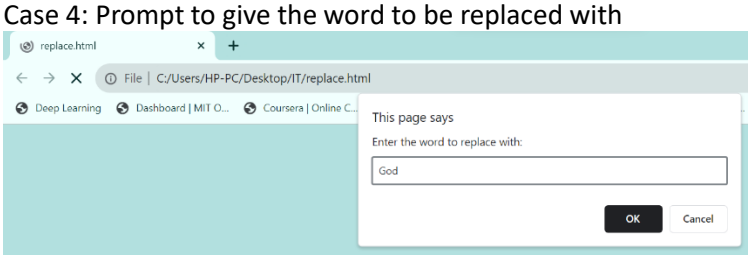
Case 2: String is given



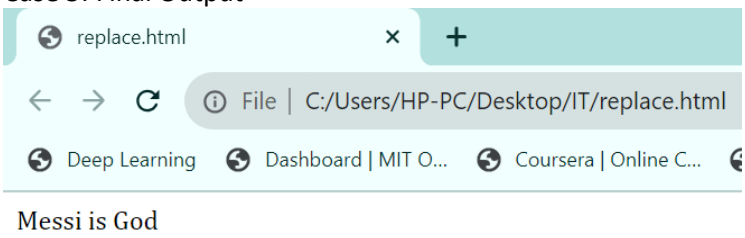
Case 3: Prompt to give the word to replace



Case 4: Prompt to give the word to be replaced with



Case 5: Final Output



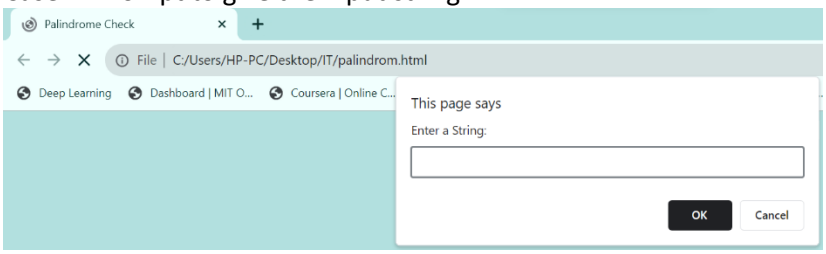
6. **Write a program in JavaScript to check whether a string is palindrome or not. The string must be in uppercase.**

Program:

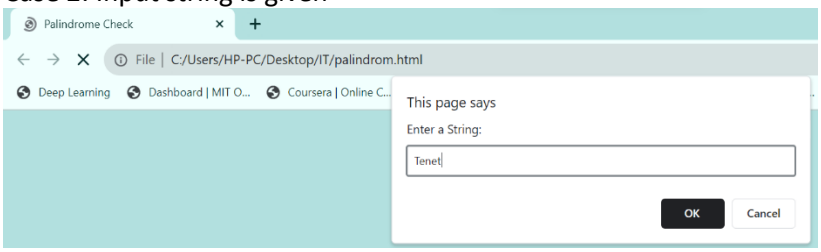
```
<html>
	<head>
		<title>Palindrome Check</title>
	</head>
	<body>
		<script>
			var str = prompt("Enter a String:");
			str = str.toUpperCase();
			var len = str.length;
			var flag;
			for(let i=0; i<=len/2; i++){
				if(str[i]==str[len-1-i]){
					flag = true;
				}
				else{
					flag = false;
					break;
				} }
			document.write("The given string is: "+str);
			if(flag){
				document.write("<p>It is a Palindrome</p>");
			}
			else{
				document.write("<p>It is not a Palindrome</p>");
			}
		</script>
	</body>
</html>
```

Output:

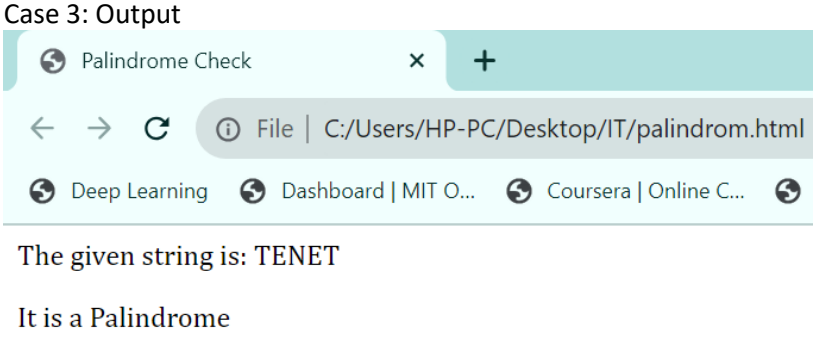
Case 1: Prompt to give the input string



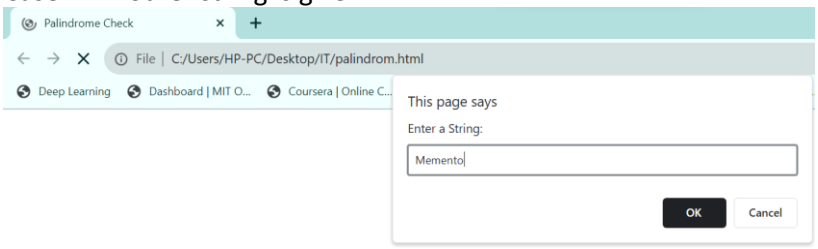
Case 2: Input string is given



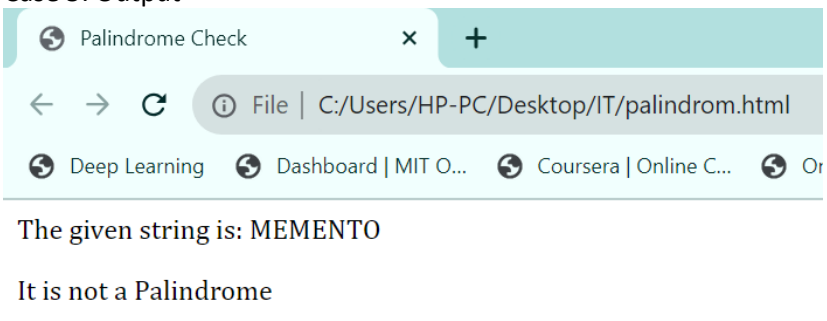
Case 3: Output



Case 4: Another string is given



Case 5: Output



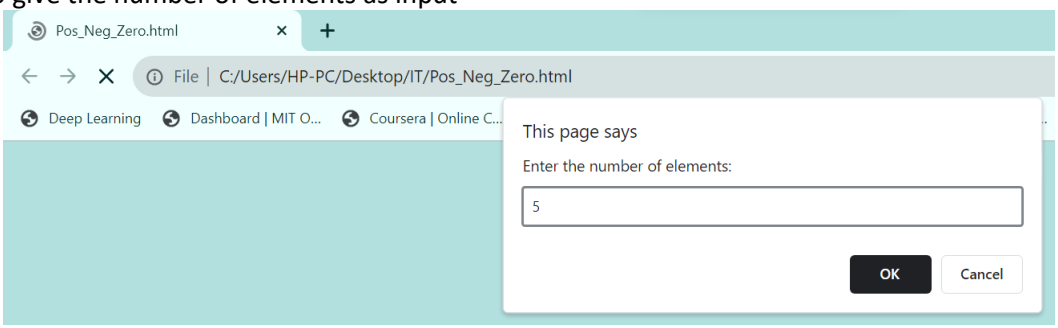
5. **Create an event driven program to read n numbers and count the number of negative numbers, positive numbers and zeros and print the result.**

Program:

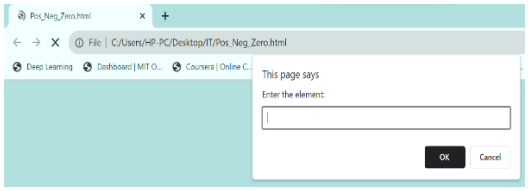
```
<html>
<body>
	<script>
		var count_pos = 0;
		var count_neg = 0;
		var count_zero = 0;
		while(true){
			var n = prompt("Enter the number of elements: ");
			if(n == "" || isNaN(Number(n)) || Number(n)<=0){
				alert("Enter a valid number");
			}
			else{
				for(let i=0; i<Number(n); i++){
					var num = prompt("Enter the element:");
					if(num == "" || isNaN(Number(num))){
						alert("Enter a valid integer");
						i--;
					}
					else if(num<0){
						count_neg++;
					}
					else if(num==0){
						count_zero++;
					}
					else{
						count_pos++;
					}
				}
				break;
			}
		}
		document.write("<br>Number of Zeros: "+count_zero);
		document.write("<br>Number of Negative Integers: "+count_neg);
		document.write("<br>Number of Positive Integers: "+count_pos);
	</script>
</body>
</html>
```

Output:

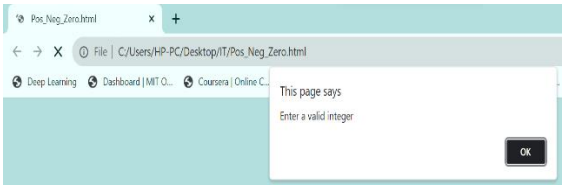
Case 1: Prompt to give the number of elements as input



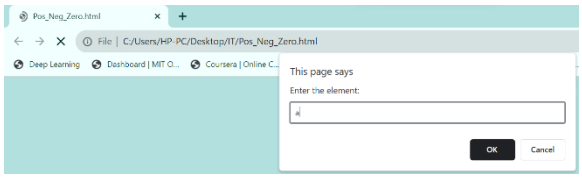
Case 2: If nothing is given as input -



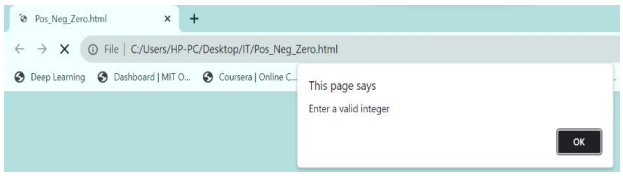
Alert message is shown



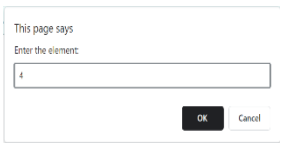
Case 3: If anything, other than integer is given –

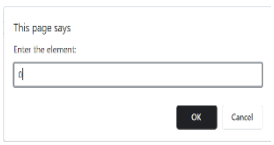


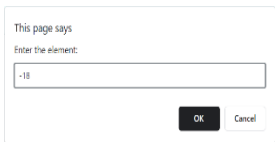
Alert message is shown

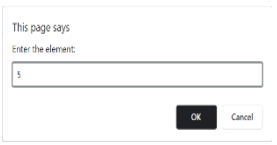


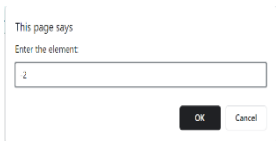
Case 4: Inputs



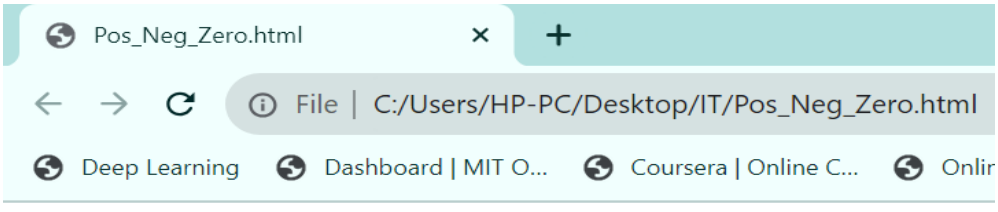








Case 5: Final Output



Number of Zeros: 1
Number of Negative Integers: 2
Number of Positive Integers: 2