**Q1. Write a program in JavaScript to accept 2 strings and concatenate them.(without using function)**

<html>

<script>

var s1=prompt("Enter the first string","");

var s2=prompt("Enter the second string","");

document.write("The resultant string is "+s1+" "+s2);

</script>

</html>

**Q2. Write a program in JavaScript to accept 2 strings and concatenate them.( using function)**

<html>

<script>

var s1=prompt("Enter the first string","");

var s2=prompt("Enter the second string","");

var res=s1.concat(s2);

document.write("The resultant string is "+res);

</script>

</html>

**Q.3 Write a program in JavaScript to display the current date and time.**

<html>

<script>

var today = new Date();

var date = today.getFullYear()+'-'+(today.getMonth()+1)+'-'+today.getDate();

var time = today.getHours() + ":" + today.getMinutes() + ":" + today.getSeconds();

var dateTime = date+' '+time;

document.write("Result is "+dateTime);

</script>

</html>

**Q.4 Write a program in JavaScript to find the length of an array.**

<html>

<script>

var arr = new Array();

arr[0] = 100;

arr[1] = 200;

arr[2] = 300;

arr[3] = 400;

arr[4] = 500;

document.write("The length of array is: " + arr.length);

</script>

</html>

**Q.5 Write a program in JavaScript to check whether a string is palindrome or not.**

<html>

<script>

function checkPalindrome(str)

 {

 const arrayValues = string.split('');

 const reverseArrayValues = arrayValues.reverse();

 const reverseString = reverseArrayValues.join('');

 if(string == reverseString)

 {

 document.write('It is a palindrome');

 }

 else

 {

 document.write('It is not a palindrome');

 }

}

const string = prompt('Enter a string: ');

checkPalindrome(string);

 </script>

</html>

**Q.6. Write a program in JavaScript that responds to a mouse click anywhere on the page (using mouse click).**

<html>

<script>

 function popMessage(e)

 {

 if (!e) e = event;

 var xPos = yPos = 0;

 xPos = (e.pageX) ? e.pageX : e.clientX + document.body.scrollLeft;

 yPos = (e.pageY) ? e.pageY : e.clientY + document.body.scrollTop;

 nDiv = document.createElement('div');

 nDiv.appendChild(document.createTextNode('Div at ' + xPos + ',' + yPos));

 nDiv.style.position = 'absolute';

 nDiv.style.left = xPos + 'px';

 nDiv.style.top = yPos + 'px';

 document.getElementsByTagName('body')[0].appendChild(nDiv);

 }

 document.onclick = popMessage;

 </script>

<body>

 Click anywhere here!

</body>

</script>

</html>

**Q. 7. Write a program to validate a form in the user id and password forms.**

<html>

<head> <center>Validation for name field blank and password length is 6 characters</center><br><br>

</head>

<script>

 function validateform()

 {

 var name=document.myform.name.value;

 var password=document.myform.password.value;

 if (name==null || name=="")

 {

 alert("Name can't be blank");

 return false;

 }

 else if(password.length<6)

 {

 alert("Password must be at least 6 characters long.");

 return false;

 }

}

</script>

<body>

<form name="myform" method="post" onsubmit="return validateform()" >

Name: <input type="text" name="name"><br/>

Password: <input type="password" name="password"><br/>

<input type="submit" value="register">

</form>

</body>

</script>

</html>