

## Experiment 12

**1) Write a javascript program to take input from user and check the number is prime or not.**

```
<!DOCTYPE html>
<html>
<head>
<title>Check if a Number is Prime or Not using JavaScript</title>

<script type="text/javascript">

function check(p) {
    if (p < 2) return false;
    if (p === 2) return true;
    if (p % 2 === 0) return false;

    for (let i = 3; i <= Math.sqrt(p); i += 2) {
        if (p % i === 0) {
            return false;
        }
    }
    return true;
}

function p() {
    var n = document.myform.n.value;
    n = parseInt(n);

    if (isNaN(n) || n <= 0) {
        alert("Please enter a valid number.");
        return;
    }

    if (check(n)) {
        alert(n + " is prime");
    } else {
        alert(n + " is not prime");
    }
}

</script>
</head>

<body>

<center>

<h4>Check if a number is prime or not</h4>
```

```
<hr color="Green">
<form name="myform">
Enter the number:
<input type="text" name="n" value="">
<br><br>
<input type="button" value="Check" onClick="p()">
<br>
</form>
</center>
</body>
</html>
```

**Output :**

## Check if a number is prime or not

---

Enter the number:

Check

127.0.0.1:5500 says

8 is not prime

OK

**2) Write a java script program to take input from user and check the number is Even or Odd.**

```
<html>

<head>
<script type="text/javascript">
function odd_even(){
    var no;
    no = Number(document.getElementById("no_input").value);

    if (isNaN(no)) {
        alert("Please enter a valid number.");
    } else if (no % 2 == 0) {
        alert("The number is Even Number");
    } else {
        alert("The number is Odd Number");
    }
}
</script>
</head>

<body>
Enter Any Number: <input id="no_input" type="text"><br/>
<button onclick="odd_even()">Click me</button>
</body>

</html>
```

**Output :**

Enter Any Number:

127.0.0.1:5500 says

The number is Odd Number

OK

## Experiment 13

**Write a program on javascript Validation using object function.**

```
<html>
<body>

<script type="text/javascript">
function validate() {
    var name = document.f1.name.value;
    var passwordlength = document.f1.password.value.length;
    var status = false;

    if (name == "") {
        document.getElementById("namelocation").innerHTML = "Please enter your name";
        status = false;
    } else {
        document.getElementById("namelocation").innerHTML = "";
        status = true;
    }

    if (passwordlength < 6) {
        document.getElementById("passwordlocation").innerHTML = "Password must be greater than 6
characters";
        status = false;
    } else {
        document.getElementById("passwordlocation").innerHTML = "";
    }

    if (status) {
        document.getElementById("successMessage").innerHTML = "Successfully validated!";
        return false; // Prevent the form from submitting (no redirect)
    }
    return status;
}
</script>

<form name="f1" onsubmit="return validate()">
    <table>
        <tr>
            <td>Name:</td>
            <td><input type="text" name="name"/>
                <span id="namelocation" style="color:red"></span>
            </td>
        </tr>
        <tr>
            <td>Password:</td>
            <td><input type="password" name="password"/>
                <span id="passwordlocation" style="color:red"></span>
            </td>
        </tr>
    </table>
</form>
```

```
<tr>
  <td colspan="2"><input type="submit" value="Register"/> </td>
</tr>
</table>
</form>

<div id="successMessage" style="color:green; font-weight:bold; margin-top: 20px;"></div>

</body>
</html>
```

**Output :**

Name:	<input type="text" value="Swapnil"/>
Password:	<input type="password" value="••••••"/>
<input type="button" value="Register"/>	

**Successfully validated!**

Name:	<input type="text" value="Swapnil"/>	
Password:	<input type="password" value="••"/>	Password must be greater than 6 characters
<input type="button" value="Register"/>		