**Write a javascript program to take input number from user and calculate arithmetic operation such as addition, subtraction, multiplication and division using button click event.**

<html>

<body style="background-color:powderblue;">

<head>

<center><h1>Simple Calculator using JavaScript</h1>

</head>

<form name="form1">

Number 1: <input type="text" name="First"> <br>

Number 2: <input type="text" name="Second"><br>

Get result: <input type="text" name="Total"><br>

<input type="button" value="ADD" onclick="addition();">

<input type="button" value="SUBTRACT" onclick="substraction();">

<input type="button" value="MULTIPLY" onclick="multiplication();">

<input type="button" value="DIVIDE" onclick="division();">

</form>

<script>

function addition() {

let a = Number(document.form1.First.value);

let b = Number(document.form1.Second.value);

let c = a + b;

document.form1.Total.value = c;

}

function substraction() {

let a = Number(document.form1.First.value);

let b = Number(document.form1.Second.value);

let c = a - b;

document.form1.Total.value = c;

}

function multiplication() {

let a = Number(document.form1.First.value);

let b = Number(document.form1.Second.value);

let c = a \* b;

document.form1.Total.value = c;

}

function division() {

let a = Number(document.form1.First.value);

let b = Number(document.form1.Second.value);

let c = a / b;

document.form1.Total.value = c;

}

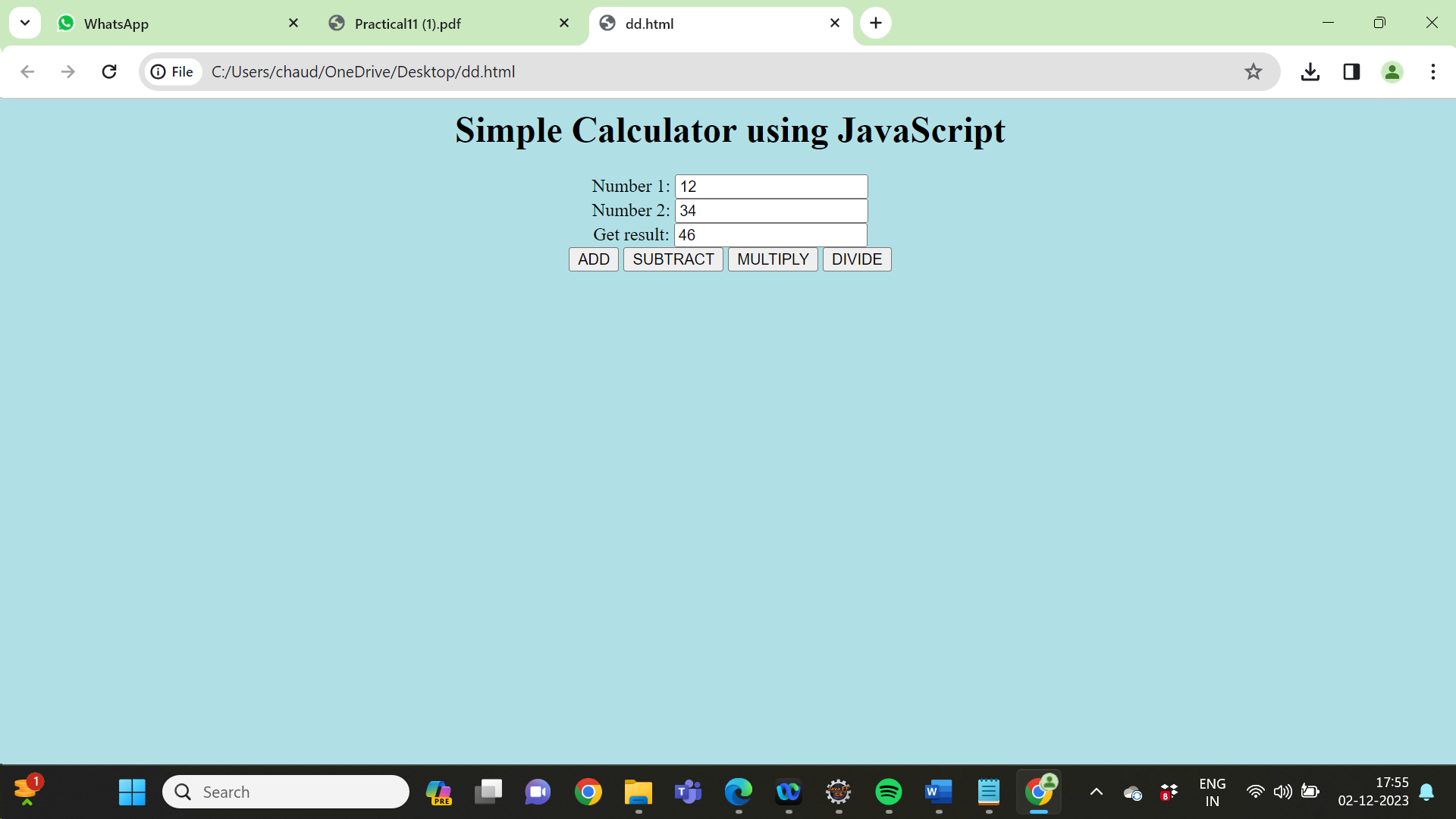
</script>

</center>

</body>

</html>

**OUTPUT:**



**Write a javascript program to take input from the user and check the number is Even or Odd.**

<html>

<head>

<script>

function odd\_even(){

var no;

no=Number(document.getElementById("no\_input").value);

if(no%2==0)

{

alert("The number is Even Number");

}

else

{

alert("The number is Odd Number");

}

}

</script>

</head>

<body>

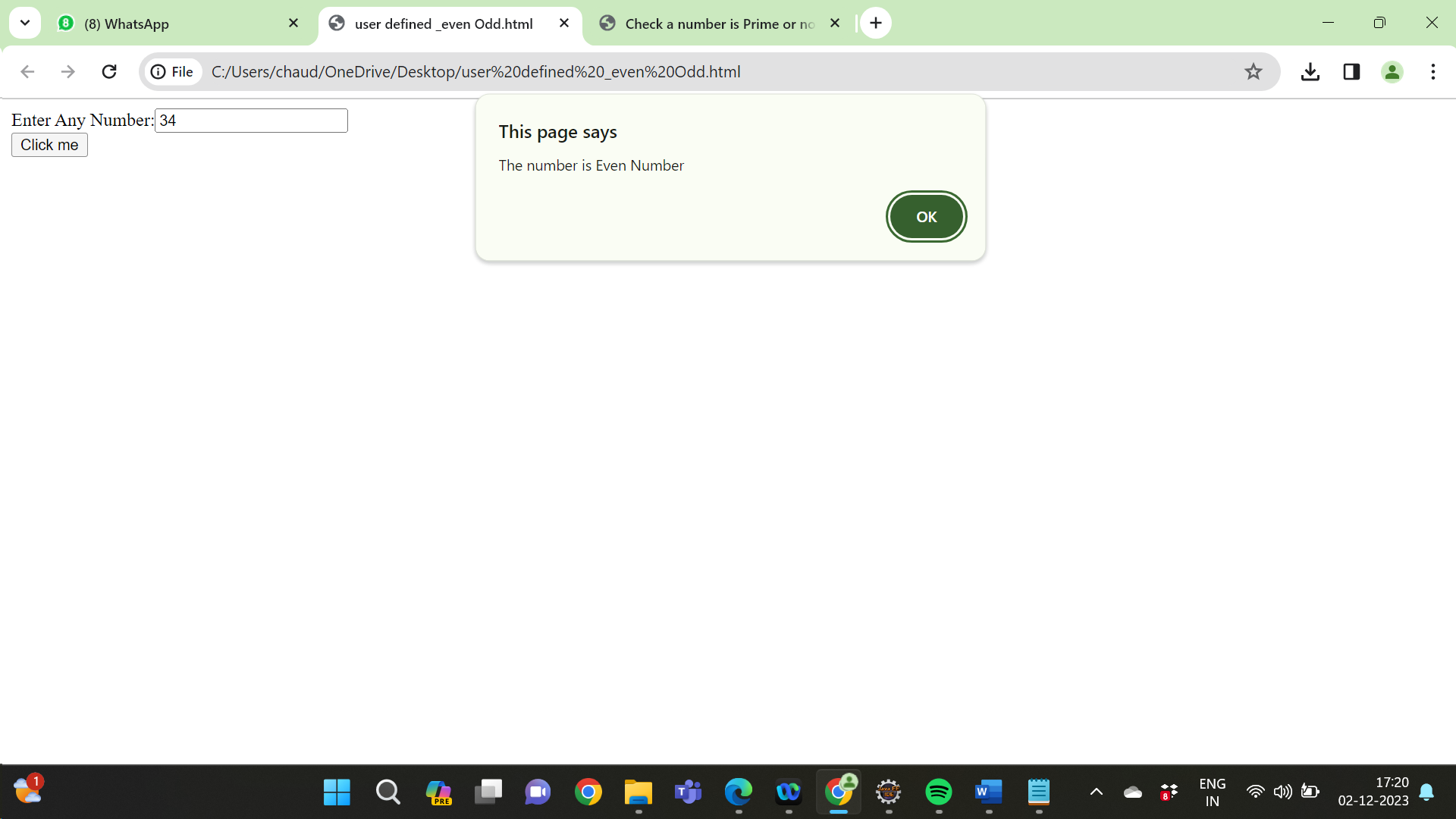
Enter Any Number:<input id="no\_input"><br />

<button onclick="odd\_even()">Click me</button>

</body>

</html>

**OUTPUT:**



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

<!DOCTYPE html>

<html>

<head>

<title>

Check a number is Prime or not using JavaScript

</title>

<script type="text/javascript">

function check(p)

{

for(let i = 3; i <= Math.sqrt(p); i+=2)

if (p % i === 0)

{

return true;

}

return false;

}

// Function to check prime number

function p() {

var n;

// Getting the value form text

// field using DOM

n = document.myform.n.value;

n = parseInt(n)

// Check and display alert message

if( n % 2 === 0 )

alert(n + " is not prime");

else if(check(n))

alert(n + " is not prime");

else

alert(n + " is prime");

}

</script>

</head>

<body>

<center>

<h4>check 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:**

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

**Write a program on Javascript Validations using object functions.**

<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=" <img src='http://www.javatpoint.com/javascriptpages/images/unchecked.gif'/> Please enter your name";

status=false;

}

else

{

document.getElementById("namelocation").innerHTML=" <img src='http://www.javatpoint.com/javascriptpages/images/checked.gif'/>";

status=true;

}

if(passwordlength<6)

{

document.getElementById("passwordlocation").innerHTML=" <img src='http://www.javatpoint.com/javascriptpages/images/unchecked.gif'/> Password must be greater than 6";

status=false;

}

else

{

document.getElementById("passwordlocation").innerHTML=" <img src='http://www.javatpoint.com/javascriptpages/images/checked.gif'/>";

}

return status;

}

</script>

<form name="f1" action="http://www.javatpoint.com/javascriptpages/valid.jsp" 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>

<tr><td colspan="2"><input type="submit" value="register"/> </td></tr>

</table>

</form>

</body>

</html>

**OUTPUT:**

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated