Assignment 4 Java Script

1. Write a JavaScript to accept a number from user and check whether the number is prime or not.

<html>

<head>

<title>s1b</title>

<script>

function check\_prime()

{

var n=document.getElementById("p").value;

n=parseInt(n);

var i,flag=0;

for(i=2;i<=n/2;i++)

{

if(n%i==0)

{

flag=1;

break;

}

}

if(flag==0)

{

alert("Number "+n+" is a prime Number");

}

else

{

alert("Number "+n+" is a NOT prime Number");

}

}

</script>

</head>

<body bgcolor="sky blue">

<form padding-top="200px">

<center>

<h3>Check Prime Number</h3><br><br>

Enter a number:<input type="text" name="a" id="p"><br><br>

<button onclick=check\_prime() value="submit">Show</button>

</form>

</center>

</body>

</html>

1. Write a JavaScript to accept a number from user and check whether the number is odd or even.

<!doctype html>

<html>

<head>

<script>

var num, temp;

function fun()

{

num = parseInt(document.getElementById("num").value);

if(num)

{

temp = document.getElementById("resPara");

temp.style.display = "block";

if(num%2==0)

document.getElementById("res").innerHTML = "Even";

else

document.getElementById("res").innerHTML = "Odd";

}

}

</script>

</head>

<body>

<p>Enter the Number: <input id="num"><button onclick="fun()">Check</button></p>

<p id="resPara" style="display:none;">It is an <span id="res"></span> Number</p>

</body>

</html>

1. Write a JavaScript to print sum of a digit of a number.

<!DOCTYPE html>

<html>

<body>

<h1>JS Sum of Digits</h1>

<script>

var num = 12345;

var copyNum = num;

var total = 0;

//Add Each digit from last digit.

while(copyNum != 0)

{

total += copyNum % 10;

copyNum = Math.floor(copyNum / 10);

}

// result

document.write("The sum of digit " +num +" is " +total);

</script>

</body>

</html>

1. Write a Java script to find the area of a circle.

<html>

<script type="text/javascript">

var r, d, c, a;

r = 10;

d = 2 \* 10;

c = 2 \* 3.14 \* 10;

a = 3.14 \* (10 \* 10);

document.write("Diameter = " + d + " units<br />");

document.write("Circumference = " + c + " units<br />");

document.write("Area = " + a + " sq. units");

</script>

</html>