

Pgm no: 7

25-09-20

PRIME NUMBER

AIM

Design a webpage which contains a textbox and a button. when you click on button, an alert box appears which states whether the given number is prime/not.

CODE

```
<html>
```

```
<Body set bgcolor = "skyblue">
```

```
<Center>
```

```
<form>
```

```
<H3><u> PRIME NUMBER </u></H3>
```

```
<label for = "fa"> Enter a number : </label>
```

```
<input type = "text" id = "fa">
```

```
<input type = "button" value = "CHECK"  
onclick = "prime()">
```

```
</form> </center>
```

```
<script type='text/javascript'>
```

```
function prime()
```

```
{
```

```
var n = document.getElementById("fa").value;
```

```
var fact = 1;
```

```
if (n <= 0)
```

```
    alert("Invalid input");
```

```
else if (n == 1) //use == '.' it is a string, not ==
```

```
    alert("Neither prime nor non prime");
```

```
else
```

```
{
```

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

```
        if (n % i == 0) //use == '.' it is number
```

```
        {
```

```
            alert("Not prime");
```

```
            return 0;
```

```
        }
```

```
    }  
    alert(n + " is prime");
```

```
}
```

```
}
```

</script>

</Body>

RESULT

The program was successfully executed.

DESIGN

PRIME NUMBER

Enter a number:

check