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ASSIGNMENT – 4

1.Check input number is prime or not. If prime then display it on same page but if not prime write it into another page.

CODE -

```html
<!DOCTYPE html>
<html>
 <head>
  <title>Anmol - 19BCE0891</title>

  <script type="text/javascript">
   function checkPrime() {
    var n,
     i,
     prime = true;
    n = document.myform.n.value;
    n = parseInt(n);
    for (i = 2; i * i <= n; i++)
     if (n % i == 0) {
      prime = false;
      break;
     }

    //  we know 1 is also not prime
    if (prime == true && n != 1) {
     alert(n + " is Prime");
    } else {
     document.write(n + " is Not Prime");
    }
   }
  </script>
 </head>

 <body>
  <h2>Is Prime?</h2>
  <form name="myform">
   Enter the number:
   <input type="text" name="n" value="" />
   <br /><br />
   <input type="button" value="Check" onClick="checkPrime()" />
   <br />
  </form>
 </body>
</html>
```

CODE Snippet :

```html
prime.html > html > body > form
1   <!DOCTYPE html>
2   <html>
3     <head>
4       <title>Anmol - 19BCE0891</title>
5
6       <script type="text/javascript">
7         function checkPrime() {
8           var n,
9             i,
10            prime = true;
11          n = document.myform.n.value;
12          n = parseInt(n);
13          for (i = 2; i * i <= n; i++)
14            if (n % i == 0) {
15              prime = false;
16              break;
17            }
18
19          //   we know 1 is also not prime
20          if (prime == true && n != 1) {
21            alert(n + " is Prime");
22          } else {
23            document.write(n + " is Not Prime");
24          }
25        }
26      </script>
27    </head>
28
```
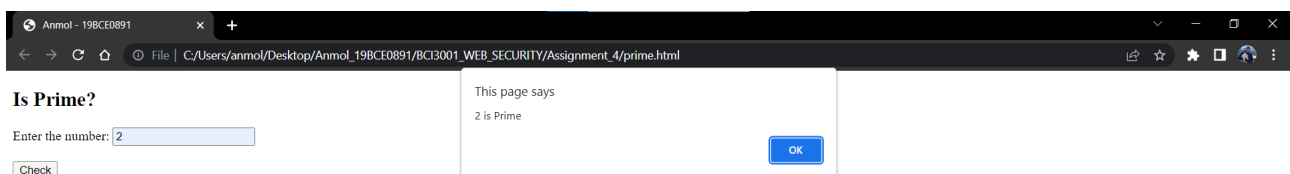
```html
28
29    <body>
30      <h2>Is Prime?</h2>
31      <form name="myform">
32        Enter the number:
33        <input type="text" name="n" value="" />
34        <br /><br />
35        <input type="button" value="Check" onClick="checkPrime()" />
36        <br />
37      </form>
38    </body>
39  </html>
40
```
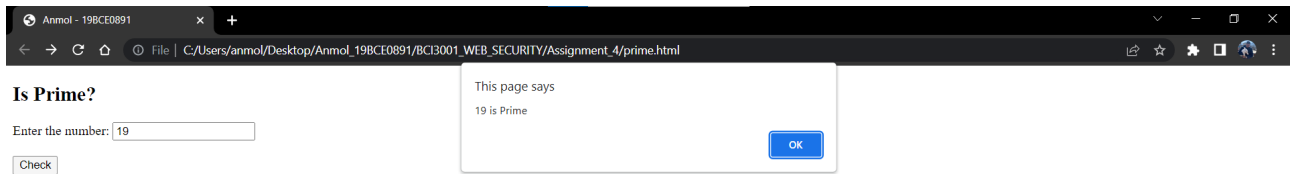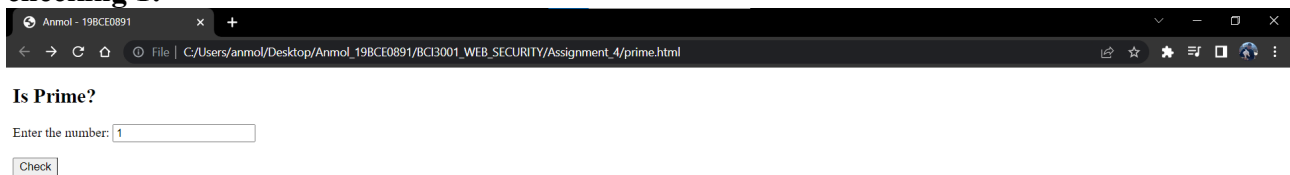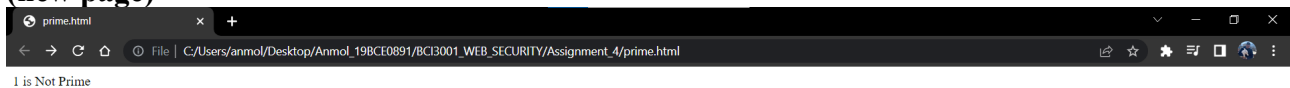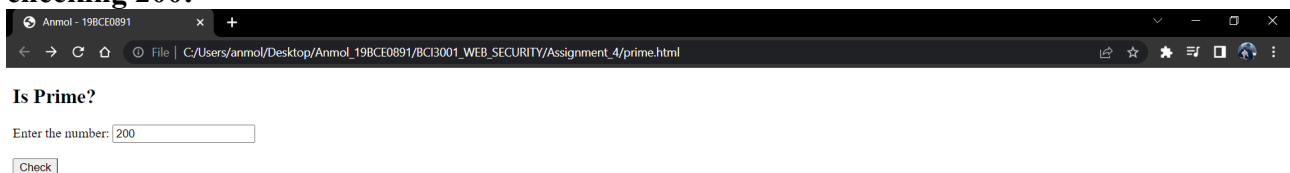
OUTPUT :

Alerting Prime no. :

Is Prime?

Enter the number: 19

Check

This page says

19 is Prime

OK

Not prime written on another page :

checking 1:

Is Prime?

Enter the number: 1

Check

(new page)

1 is Not Prime

checking 200:

Is Prime?

Enter the number: 200

Check

(new page)

200 is Not Prime