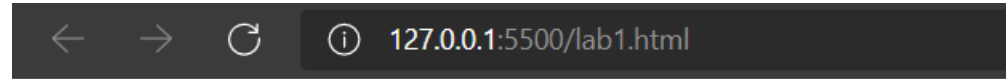**Lab1:** Using HTML and JavaScript, write a script to input any number from a user from a text box and print a multiplication table with multiples from 1 to 10.

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Document</title>
</head>
<body>
    Enter the number: <input type="number" id="num">
    <br><button  type="submit" id="submit" >Multiplication Table</button>
    <script>
        let btn = document.querySelector("#submit");
        btn.addEventListener("click",()=>{
            let num = document.getElementById('num').value;
            document.write("Multiplication of " + num + "</br>")
            let i =1;
            for(i=1;i<=10;i++)
            {
                document.write(num+'*'+i+'=='+(num*i) + "</br>");
                //document.write(num);
            }
        })
    </script>
</body>
</html>
```

127.0.0.1:5500/lab1.html

Multiplication

Enter the number: 9   Multiplication Table

Multiplication of 9

9*1==9
9*2==18
9*3==27
9*4==36
9*5==45
9*6==54
9*7==63
9*8==72
9*9==81
9*10==90

Lab2. Using HTML and JavaScript, write a script to display today's date.

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Date and Time</title>
</head>
<body>
    <h4>Today's date time</h4>
    <br>
    <div class="timedatesection">

    </div>
</body>
<script>
    var today = new Date();
    var dd = String(today.getDate()).padStart(2, '0');
    var mm = String(today.getMonth() + 1).padStart(2, '0'); //January is 0!
    var yyyy = today.getFullYear();

    today = mm + '/' + dd + '/' + yyyy;
    document.write(today)
</script>
</html>
```
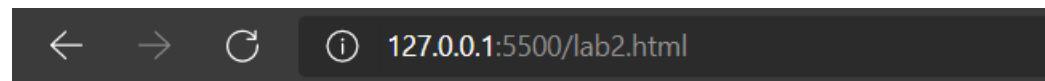
Output

127.0.0.1:5500/lab2.html

Today's date time

04/28/2022

Lab3. Using HTML and JavaScript (Regular Expression), write a script to search for a user inputted text in a long sentence.

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Search text</title>
</head>
<body>
    <h1>Enter the text to check it in long sentence!</h1><br>
    <p id="sentence">Lorem ipsum dolor sit, amet sit consectetur adipisicing
elit. Quis, aliquam impedit molestiae rem, necessitatibus possimus ullam
consectetur repellat obcaecati dolorum, earum sequi veniam fugiat dolore eaque
voluptatem deserunt id numquam?</p>
    <input type="text" name="inpText" id="inpText">
    <button type="submit" id="btnSearch">Search</button>
    <br><br>
    <h3 id="section"></h3>

    <script>
        let btn = document.getElementById("btnSearch");

        btn.addEventListener("click",()=>{
            let sentence = document.getElementById("sentence").innerText;

            const searchtext = document.getElementById("inpText").value;
            //const regex = "/" + searchtext + "/" + "g";
            //console.log(sentence,regex);
            let word = sentence.match(searchtext);
            let index = sentence.search(searchtext);
            console.log(document.getElementById("section"));

            if (word != null)
            {
                document.getElementById("section").innerHTML = word + " is at
index " + index;
            }
            else
            {
                document.getElementById("section").innerHTML = "Word not
matching!";
            }
        })

    </script>
```

```
</body>
</html>
```

Output

Enter the text to check it in long sentence!

Lorem ipsum dolor sit, amet sit consectetur adipisicing elit. Quis, aliquam impedit molestiae rem, necessitatibus possimus ullam consectetur repellat obcaecati dolorum, earum sequi veniam fugiat dolore eaque voluptatem deserunt id numquam?

elit [   ] [Search]

elit is at index 56

Lab4. Using HTML and JavaScript, write a script to validate a form.

```html
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Form validation</title>
  </head>
  <body>

    <form id="form" action="/" method="GET">
      <div>
        <label for="name">Name</label>
        <input id="name" name="name" type="text" required />
      </div>
      <div>
        <label for="password">Password</label>
        <input id="password" name="password" type="password" />
      </div>
      <button type="submit">Submit</button>
      <div id="error"></div>
    </form>
    <script>
      const name = document.getElementById("name");
      const password = document.getElementById("password");
      const form = document.getElementById("form");
      const errorElement = document.getElementById("error");

      form.addEventListener("submit", (e) => {
        let messages = [];
        if (name.value === "" || name.value == null) {
          messages.push("Name is required");
        }

        if (password.value.length <= 6) {
          messages.push("Password must be longer than 6 characters");
        }

        if (password.value.length >= 20) {
          messages.push("Password must be less than 20 characters");
        }

        if (password.value === "password") {
```

```
            messages.push("Password cannot be password");
        }

        if (messages.length > 0) {
            e.preventDefault();
            errorElement.innerText = messages.join(", ");
        }
    });
    </script>
  </body>
</html>
```

Output

127.0.0.1:5500/lab4.html

Name Govinda Prasad Jamakatel
Password •••
Submit
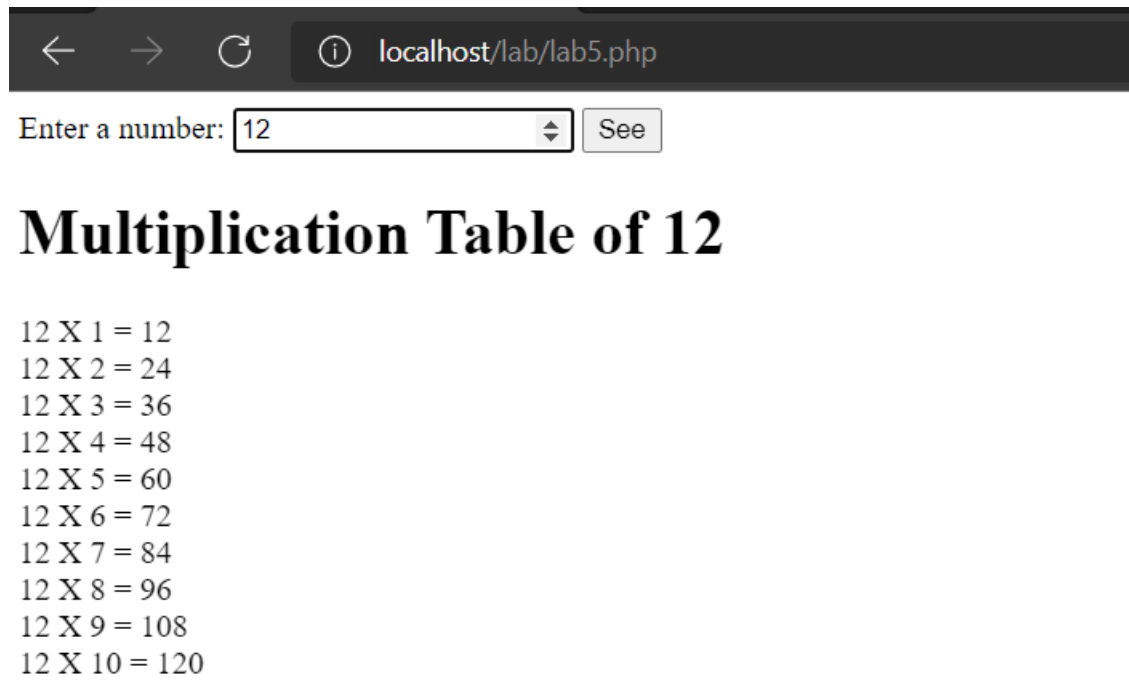Password must be longer than 6 characters

Lab5. Using HTML and PHP, write a script to input any number from a user from a text box and print a multiplication table with multiples from 1 to 10.

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Multiplication Table</title>
</head>
<body>
    <form action="" method="post">

        Enter a number: <input type="number" id="number" name="number">
        <button type="submit">See</button>
    </form>
</body>
</html>

<?php
//Using HTML and PHP, write a script to input any number from user from a text
box and print multiplication table with multiples from 1 to 10.
    if(isset($_POST['number']))
    {
        $number = $_POST['number'];
        echo "<h1>Multiplication Table of ".$number."   </h1>";
        for($i=1;$i<=10;$i++)
        {
            $result = $number." X ".$i." = ". ($number * $i). "</br>";
            echo $result;
        }
    }
?>
```

Output

localhost/lab/lab5.php

Enter a number: 12 ⇕ See

Multiplication Table of 12

12 X 1 = 12
12 X 2 = 24
12 X 3 = 36
12 X 4 = 48
12 X 5 = 60
12 X 6 = 72
12 X 7 = 84
12 X 8 = 96
12 X 9 = 108
12 X 10 = 120

Lab6. Using HTML and PHP, write a script to enter any three numbers. Make functions to:

a. Find the largest number between them

b. The smallest number between them

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Document</title>
</head>
<body>
    <form action="" method="post">
    num1: <input type="number" name="num1"><br>
    num2: <input type="number" name="num2"><br>
    num3: <input type="number" name="num3"><br>
    <input type="submit" value="See">
    </form>
</body>
</html>

<?php
    if(isset($_POST['num1']) && isset($_POST['num2']) && isset($_POST['num3']))
    {
        $num1 = $_POST['num1'];
        $num2 = $_POST['num2'];
        $num3 = $_POST['num3'];
        $largest = findlargest($num1,$num2,$num3);
        echo "<h5>Largest Between Three Numbers.</h5>";
        echo $largest;

        $smallest = findsmallest($num1,$num2,$num3);
        echo "<h5>Smallest Between Three Numbers.</h5>";
        echo $smallest;
    }

    function findlargest($n1,$n2,$n3)
    {
        $l1 = 0;
        $l2 = 0;
        $l1 = ($n1>$n2)?$n1:$n2;
        $l2 = ($n2>$n3)?$n2:$n3;
        return ($l1>$l2)?$l1:$l2;
```

```php
        }

    function findsmallest($n1,$n2,$n3)
    {
        $s1 = 0;
        $s2 = 0;
        $s1 = ($n1<$n2)?$n1:$n2;
        $s2 = ($n2<$n3)?$n2:$n3;
        return ($s1<$s2)?$s1:$s2;
    }
?>
```

Output

← → ↻   ⓘ localhost/lab/lab6.php

/*Using HTML and PHP, write a script to enter any three numbers

num1: [   ]
num2: [   ]
num3: [   ]
See

Largest Between Three Numbers.

3

Smallest Between Three Numbers.

1

Lab7. Using HTML and PHP, write a script to enter any three numbers. Make functions to a. Find the Sum of all the numbers b. Find the product of all the numbers Display the sum and product with an appropriate message.

```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Document</title>
</head>
<body>
    <form action="" method="post">
    num1: <input type="number" name="num1"><br>
    num2: <input type="number" name="num2"><br>
    num3: <input type="number" name="num3"><br>
    <input type="submit" value="See">
    </form>
</body>
</html>
<?php
    if(isset($_POST['num1']) && isset($_POST['num2']) && isset($_POST['num3']))
    {
        $num1 = $_POST['num1'];
        $num2 = $_POST['num2'];
        $num3 = $_POST['num3'];

        echo "Sum of all three numbers: ".sum($num1,$num2,$num3).'</br></br>';
        echo "Product of all three numbers: ".product($num1,$num2,$num3);


    }

    function sum($n1,$n2,$n3)
    {
        return $n1+$n2+$n3;
    }

    function product($n1,$n2,$n3)
    {
        return $n1*$n2*$n3;
    }
?>
```

Output

localhost/lab/lab7.php

num1: 5
num2: 5
num3: 5

See

Sum of all three numbers: 15

Product of all three numbers: 125

Lab8. Using HTML and PHP, write a script to open a file for writing and write a few lines of code using PHP. Then open the file for reading and read those lines from the file.

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Create file</title>
</head>
<body>
    <form action="" method="post">
        <h1>CreateFile Here</h1>
        Enter file_name: <br>
        <input type="text" name="filename" id="filename"><br>
        Enter text: <br><input type="text" name="txtWrite"><br><br>
        <input type="submit" value="create file">
    </form>
</body>
</html>

<?php

if(isset($_POST['txtWrite']))
{
    $txt = $_POST['txtWrite'];
    $filename = $_POST['filename'].'.txt';
    $myfile = fopen($filename, "w") or die("Unable to open file!");
    fwrite($myfile,$txt);
    fclose($myfile);
    echo "<p>File Created"." ,<b>$filename</b>"."</p></br>";
    echo "<form method='post' action=''><input type='hidden' value='$filename'
name='txtHidden'><input type='submit' value='Read file'></form>";
}

if(isset($_POST['txtHidden']))
{
    $filename = $_POST['txtHidden'];
    $file = fopen( $filename, 'r' );
    $size = filesize( $filename );
    $filedata = fread( $file, $size );
    echo "<br><br><br>";
```
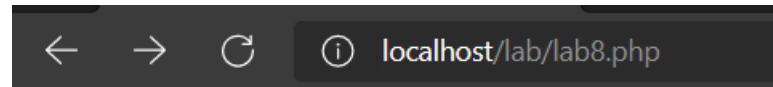
```php
    echo "Data inside"."<b> $filename".": $filedata</b>";
}
?>
```


CreateFile Here

Enter file_name:

Test.txt

Enter text:

this is text file

create file

File Created ,**Test.txt**

Read file

Data inside **Test.txt: this is text file**