

PRACTICAL 2

1. Develop a PHP program using HTML forms to create a simple calculator that performs addition, subtraction, multiplication, and division of two numbers.

Code:

```
<?php
$result = "";

if (isset($_POST['calculate'])) {
    $num1 = $_POST['num1'];
    $num2 = $_POST['num2'];
    $operator = $_POST['operator'];

    if (is_numeric($num1) && is_numeric($num2)) {
        switch ($operator) {
            case "+":
                $result = $num1 + $num2;
                break;
            case "-":
                $result = $num1 - $num2;
                break;
            case "*":
                $result = $num1 * $num2;
                break;
            case "/":
                $result = ($num2 != 0) ? $num1 / $num2 : "Cannot divide by zero";
                break;
        }
    } else {
        $result = "Enter valid numbers";
    }
}

<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <title>PHP Animated Calculator</title>
    <link rel="stylesheet" href="style.css">
</head>
```

```
<body>

    <div class="calculator">
        <h1>PHP Calculator</h1>

        <form method="post">
            <input type="number" step="any" name="num1" placeholder="First number" required>
            <input type="number" step="any" name="num2" placeholder="Second number" required>

            <select name="operator">
                <option value="+>Addition (+)</option>
                <option value="->Subtraction (-)</option>
                <option value="*>Multiplication (×)</option>
                <option value="/">Division (÷)</option>
            </select>

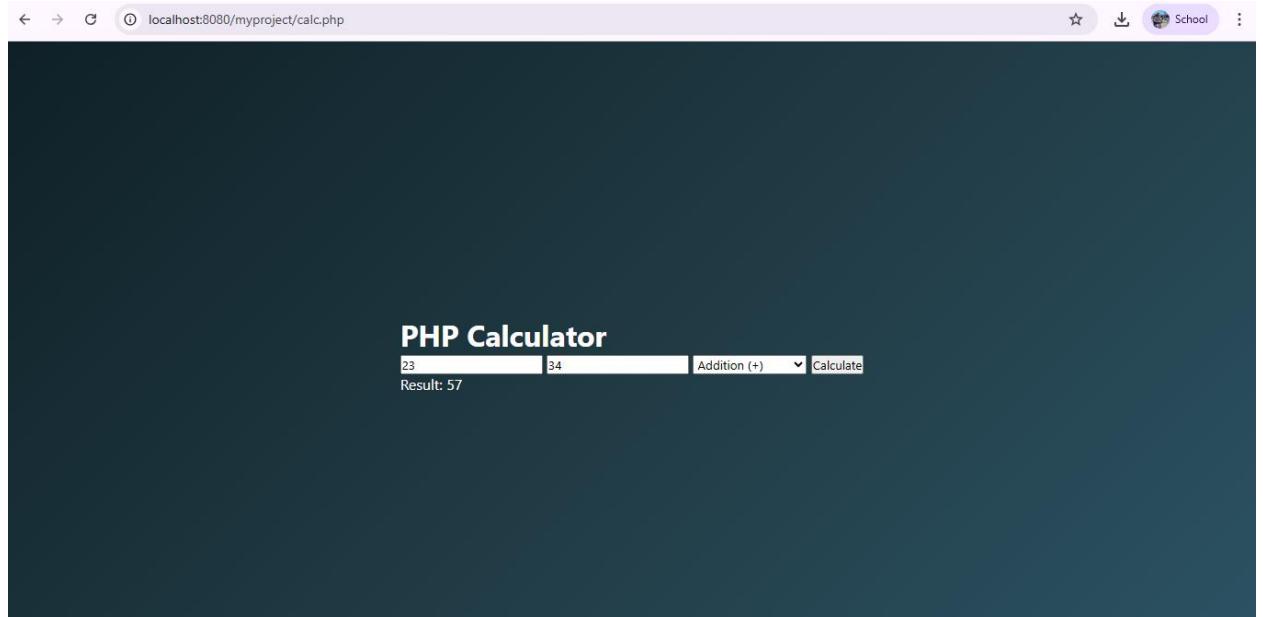
            <button type="submit" name="calculate">Calculate</button>
        </form>

        <?php if ($result !== ""): ?>
        <div class="result">
            Result: <?php echo $result; ?>
        </div>
        <?php endif; ?>
    </div>

</body>

</html>
```

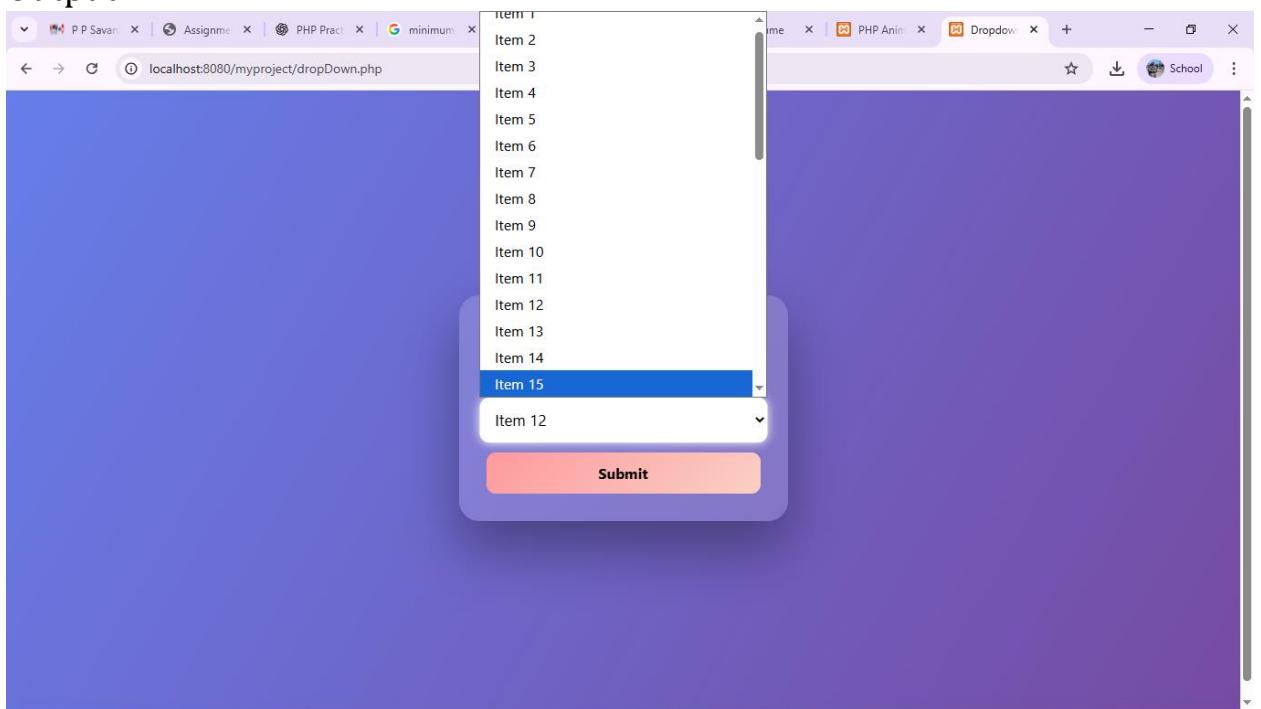
Output:



2. Adding 40 items in Drop-Down Menu.

```
dropDown.php > html > body > div.box > form > select
1  <!DOCTYPE html>
2  <html>
3
4  <head>
5    <title>Dropdown</title>
6    <link rel="stylesheet" href="styIes5.css">
7  </head>
8
9  <body>
10
11  <div class="box">
12    <h2>Dropdown</h2>
13
14    <form method="post">
15      <select name="item">
16        <?php
17          for ($i = 1; $i <= 40; $i++)
18            echo "<option>Item $i</option>";
19        ?>
20      </select>
21      <button>Submit</button>
22    </form>
23
24    <?php
25      if ($_POST)
26        echo "<div class='result'>Selected: " . $_POST['item'] . "</div>";
27    ?>
28  </div>
29
30 </body>
31
32 </html>
```

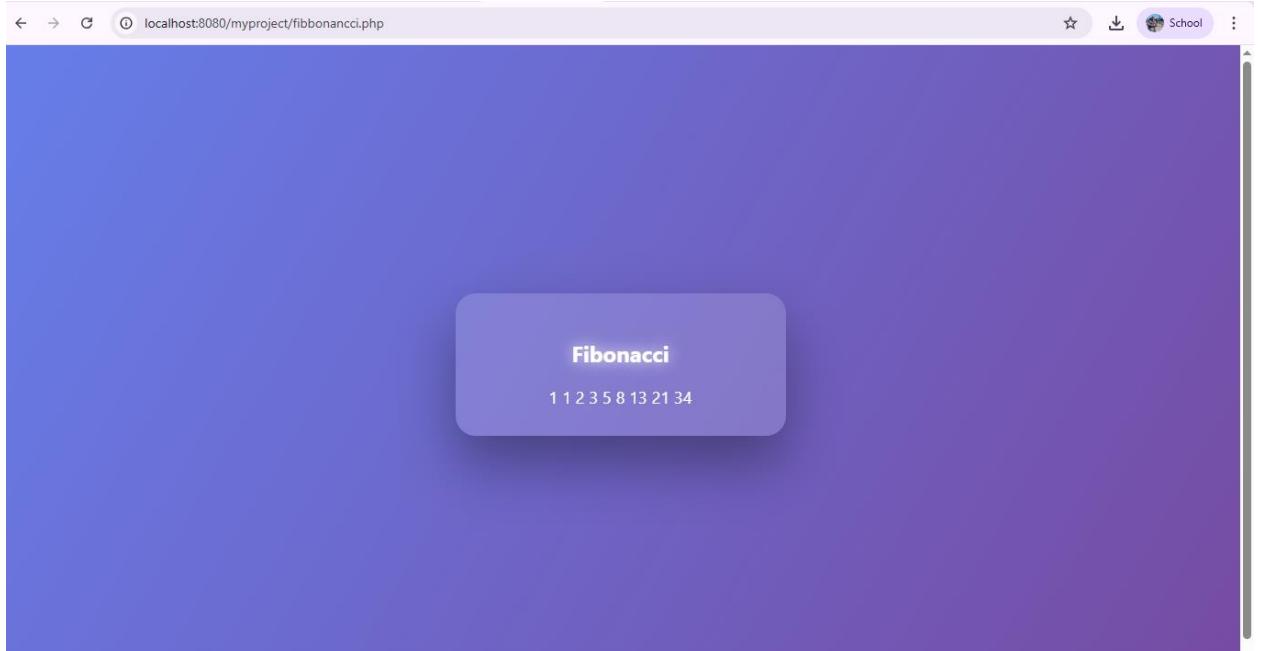
Output:



3. Write PHP Script to print Fibonacci series. 1 1 2 3 5 8 13 21 34

```
fibonacci.php > html > head > link
1  <!DOCTYPE html>
2  <html>
3
4  <head>
5      <title>Fibonacci</title>
6      <link rel="stylesheet" href="style5.css">
7  </head>
8
9  <body>
10
11      <div class="box">
12          <h2>Fibonacci</h2>
13
14          <div class="result">
15              <?php
16                  $a = 1;
17                  $b = 1;
18                  echo "$a $b ";
19                  for ($i = 3; $i <= 9; $i++) {
20                      $c = $a + $b;
21                      echo "$c ";
22                      $a = $b;
23                      $b = $c;
24                  }
25              ?>
26          </div>
27
28      </div>
29  </body>
30
31  </html>
```

Output:



4. Create a resume using at least 10 fields. Display the form values in PHP script.

```
<!DOCTYPE html>

<html>

<head>
    <title>Resume</title>
    <link rel="stylesheet" href="styles5.css">
</head>

<body>

    <div class="box">
        <h2>Resume</h2>

        <form method="post">
            <input name="Name" placeholder="Name">
            <input name="Email" placeholder="Email">
            <input name="Phone" placeholder="Phone">
            <input name="Address" placeholder="Address">
            <input name="Gender" placeholder="Gender">
            <input name="DOB" placeholder="DOB">
            <input name="Qualification" placeholder="Qualification">
            <input name="Skills" placeholder="Skills">
        </form>
    </div>
</body>
```

```

<input name="Experience" placeholder="Experience">
<input name="Hobbies" placeholder="Hobbies">
<button>Submit</button>
</form>

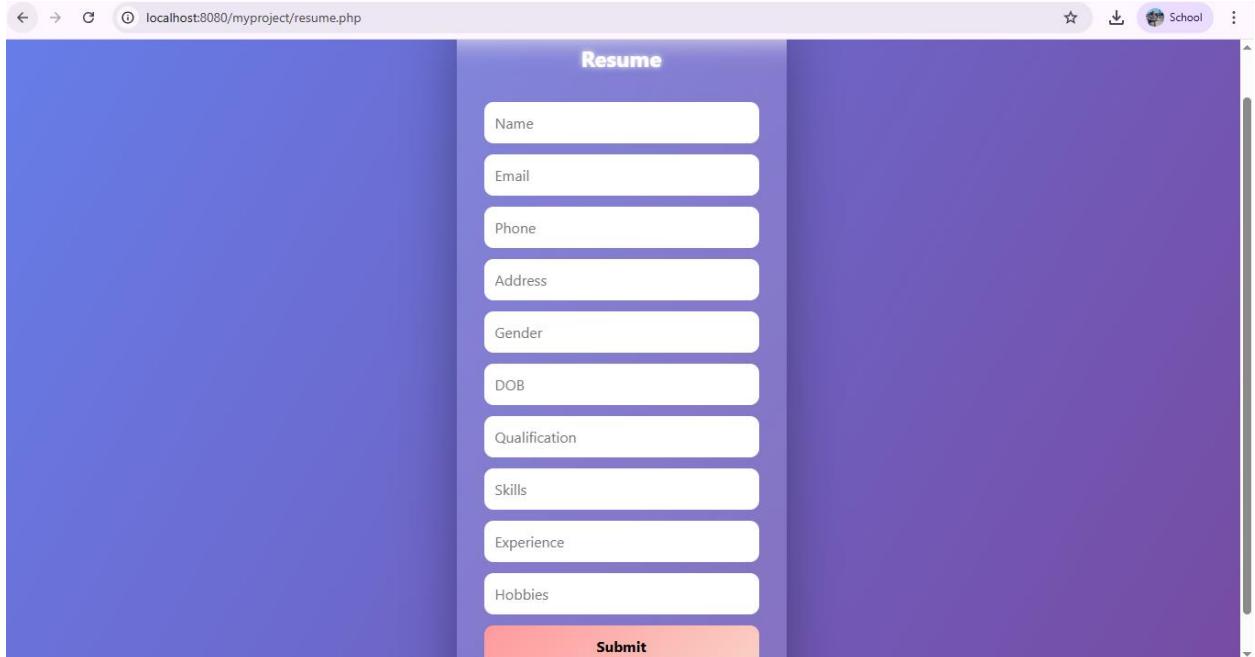
<?php
if ($_POST) {
    echo "<div class='result'>";
    foreach ($_POST as $k => $v)
        echo "$k: $v<br>";
    echo "</div>";
}
?>
</div>

</body>

</html>

```

Output:



5. Create a simple form, compare two numbers using an if statement and find biggest number.

```

<!DOCTYPE html>
<html>

```

```
<head>
    <title>Compare</title>
    <link rel="stylesheet" href="styles5.css">
</head>

<body>

    <div class="box">
        <h2>Biggest Number</h2>

        <form method="post">
            <input type="number" name="x" placeholder="Number 1">
            <input type="number" name="y" placeholder="Number 2">
            <button>Compare</button>
        </form>

        <?php
        if ($_POST) {
            $x = $_POST['x'];
            $y = $_POST['y'];
            echo "<div class='result'>";
            if ($x > $y)
                echo "$x is bigger";
            elseif ($y > $x)
                echo "$y is bigger";
            else
                echo "Both are equal";
            echo "</div>";
        }
        ?>
    </div>

</body>

</html>
```

Output:

