

## 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 (x)</option>
        <option value="/">Division (÷)</option>
      </select>

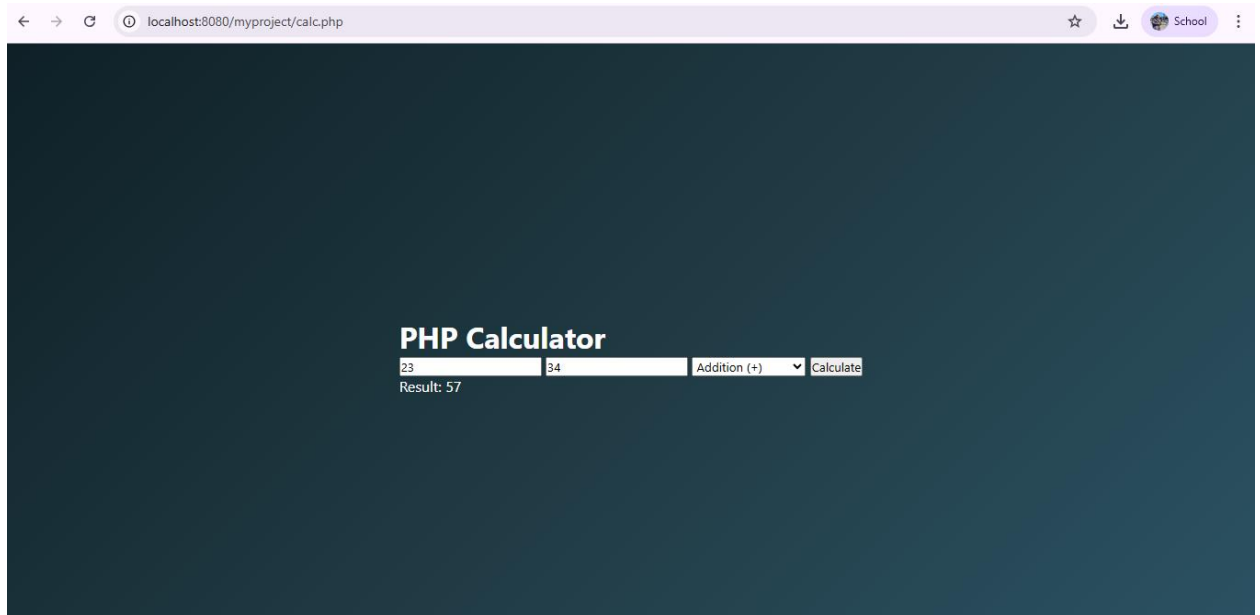
      <button type="submit" name="calculate">Calculate</button>
    </form>

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

</body>

</html>
```

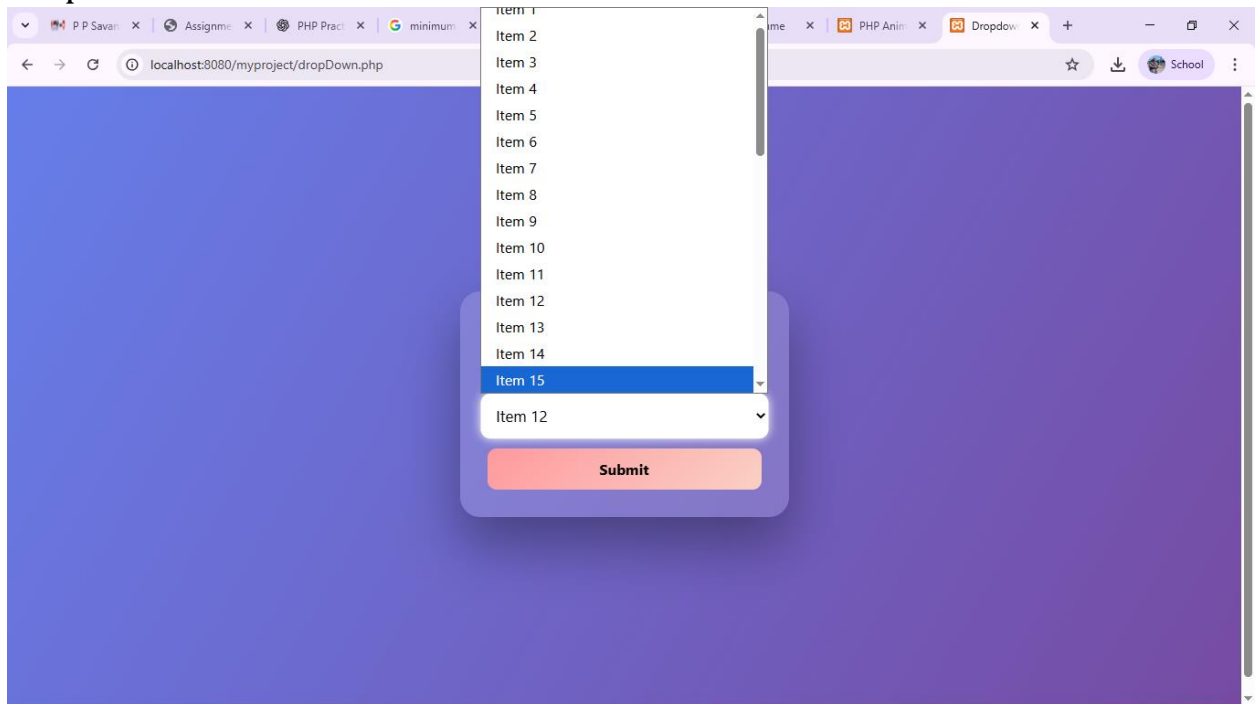
Output:



## 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>
```

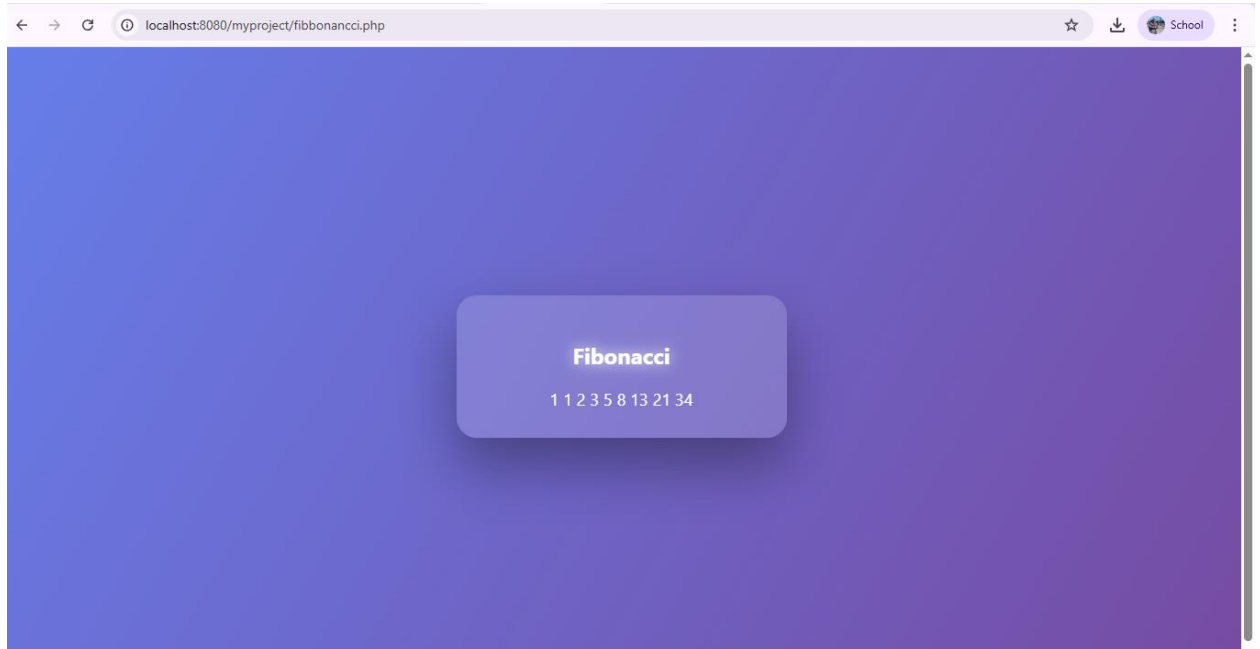
Output:



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="styIes5.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">
```

```

        <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:

The screenshot shows a web browser window with the address bar displaying 'localhost:8080/myproject/resume.php'. The page has a purple gradient background. In the center, there is a white box titled 'Resume' containing a form. The form has ten input fields stacked vertically: Name, Email, Phone, Address, Gender, DOB, Qualification, Skills, Experience, and Hobbies. At the bottom of the form is a red button labeled 'Submit'.

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="style5.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:

