Assignment 1

Task 1: Personal Information Page:

Slove:

Code: personal_info.php (File Name)

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Personal Information Page</title>
</head>
<body>
    <h1>Task 1: Personal Information Page</h1>
</body>
</html>
<?php
$name = "Nayan Sarkar";
$age = 22;
$country = "Bangladesh";

echo "Name: " . $name . "<br>";
echo "Age: " . $age . "<br>";
echo "Country: " . $country . "<br>";
echo "Introduction: Hi, I'm " . $name . ". I'm " . $age . " years old and I'm from " . $country . ".";
?>
```
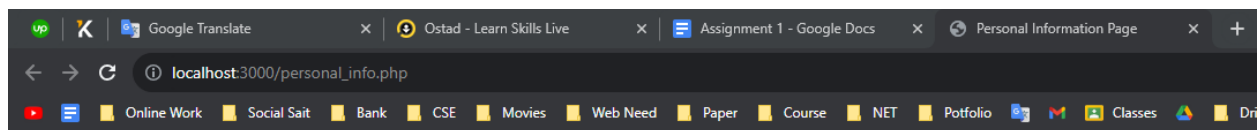
Output:

Task 2: Temperature Converter
Slove:
Code: temperature_converter.php (File Name)

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Temperature Converter</title>
</head>
<body>
    <h1>Task 2: Temperature Converter</h1>
  <form method="POST" action="">
    <label for="temperature">Temperature:</label>
    <input type="number" name="temperature" id="temperature" required>

    <label for="conversion_type">Conversion Type:</label>
    <select name="conversion_type" id="conversion_type" required>
      <option value="celsius_to_fahrenheit">Celsius to Fahrenheit</option>
      <option value="fahrenheit_to_celsius">Fahrenheit to Celsius</option>
    </select>

    <input type="submit" value="Convert">
  </form>
</body>
</html>
```
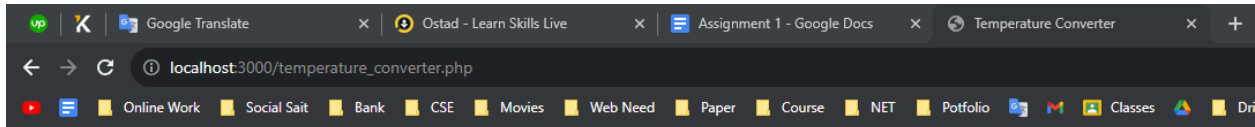
```php
<?php
if ($_SERVER["REQUEST_METHOD"] == "POST") {
  $temperature = $_POST["temperature"];
  $conversion_type = $_POST["conversion_type"];

  if ($conversion_type == "celsius_to_fahrenheit") {
    $converted_temperature = ($temperature * 9/5) + 32;
    echo "Converted Temperature: " . $converted_temperature . "°F";
  } elseif ($conversion_type == "fahrenheit_to_celsius") {
    $converted_temperature = ($temperature - 32) * 5/9;
    echo "Converted Temperature: " . $converted_temperature . "°C";
  }
}
?>
```

Output:

Task 2: Temperature Converter

Temperature: [＿＿＿＿＿] Conversion Type: [Celsius to Fahrenheit ▾] [Convert]
Converted Temperature: 176°F

Input: 80C
Output: 176F

Task 3: Grade Calculator

Slove:
Code: grade_calculator.php(File Name)

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Grade Calculator</title>
</head>
<body>
    <h1>Grade Calculator</h1>
  <form method="POST" action="">
   <label for="score1">Test Score 1:</label>
   <input type="number" name="score1" id="score1" required>

   <label for="score2">Test Score 2:</label>
   <input type="number" name="score2" id="score2" required>

   <label for="score3">Test Score 3:</label>
   <input type="number" name="score3" id="score3" required>

   <input type="submit" value="Calculate Average">
  </form>
</body>
</html>
```

```php
<?php
if ($_SERVER["REQUEST_METHOD"] == "POST") {
 $score1 = $_POST["score1"];
 $score2 = $_POST["score2"];
```

```
$score3 = $_POST["score3"];

$average = ($score1 + $score2 + $score3) / 3;

if ($average >= 90) {
    $grade = "A";
} elseif ($average >= 80) {
    $grade = "B";
} elseif ($average >= 70) {
    $grade = "C";
} elseif ($average >= 60) {
    $grade = "D";
} else {
    $grade = "F";
}

echo "Average Score: " . $average . "<br>";
echo "Grade: " . $grade;
}
?>
```
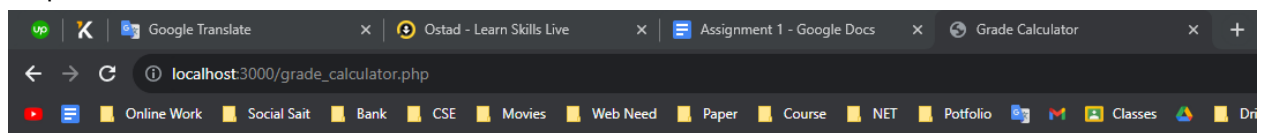Output:

Input: 90,80,70

Task 4: Even or Odd Checker

Slove:

Code: even_odd_checker.php (File Name)
```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Even or Odd Checker</title>
</head>
<body>
    <h1>Task 4: Even or Odd Checker</h1>
  <form method="POST" action="">
```

```html
    <label for="number">Enter a number:</label>
    <input type="number" name="number" id="number" required>

    <input type="submit" value="Check">
  </form>
</body>
</html>
```
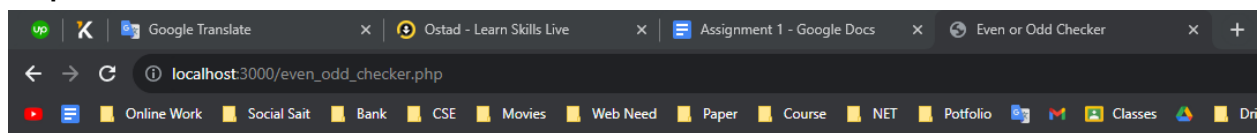
```php
<?php
if ($_SERVER["REQUEST_METHOD"] == "POST") {
  $number = $_POST["number"];

  if ($number % 2 == 0) {
    echo $number . " is even.";
  } else {
    echo $number . " is odd.";
  }
}
?>
```
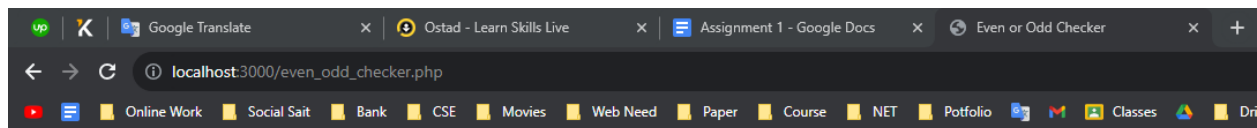
Output:

Task 5: Weather Report

Code: weather_report.php (File Name)
```html
<!DOCTYPE html>
<html lang="en">
```

```html
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Weather Report</title>
</head>
<body>
  <h1>Task 5: Weather Report</h1>
  <form method="POST" action="">
    <label for="temperature">Enter the temperature:</label>
    <input type="number" name="temperature" id="temperature" required>

    <input type="submit" value="Check">
  </form>
</body>
</html>
```

```php
<?php
if ($_SERVER["REQUEST_METHOD"] == "POST") {
  $temperature = $_POST["temperature"];

  if ($temperature < 0) {
    echo "It's freezing!";
  } elseif ($temperature >= 0 && $temperature < 20) {
    echo "It's cool.";
  } else {
    echo "It's warm.";
  }
}
?>
```
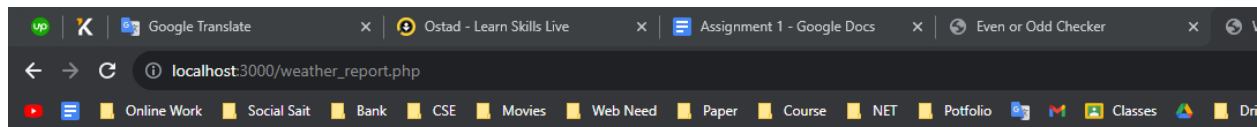**Output:**

Task 5: Weather Report

Enter the temperature: [_____] Check
It's warm.

Task 6: Comparison Tool

Code:
```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```html
    <title>Comparison Tool</title>
</head>
<body>
    <h1>Task 6: Comparison Tool</h1>
    <form method="POST" action="">
      <label for="number1">Enter the first number:</label>
      <input type="number" name="number1" id="number1" required>

      <label for="number2">Enter the second number:</label>
      <input type="number" name="number2" id="number2" required>

      <input type="submit" value="Compare">
    </form>

</body>
</html>
```
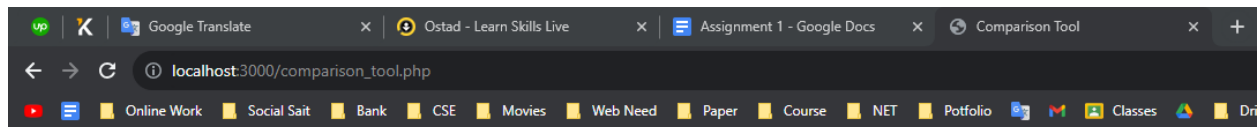
```php
<?php
if ($_SERVER["REQUEST_METHOD"] == "POST") {
  $number1 = $_POST["number1"];
  $number2 = $_POST["number2"];

  $largerNumber = $number1 > $number2 ? $number1 : $number2;

  echo "The larger number is: " . $largerNumber;
}
?>
```

Output

Task 7: Simple Calculator

Code:
```html
<!DOCTYPE html>
<html>
<head>
    <title>Simple Calculator</title>
</head>
```

```html
<body>
    <h1>Task 7: Simple Calculator</h1>
    <form method="POST" action="">
        <label for="num1">Number 1:</label>
        <input type="number" name="num1" id="num1" required><br><br>

        <label for="num2">Number 2:</label>
        <input type="number" name="num2" id="num2" required><br><br>

        <label for="operation">Operation:</label>
        <select name="operation" id="operation">
            <option value="addition">Addition</option>
            <option value="subtraction">Subtraction</option>
            <option value="multiplication">Multiplication</option>
            <option value="division">Division</option>
        </select><br><br>

        <input type="submit" value="Calculate">
    </form>

    <?php
    if ($_SERVER["REQUEST_METHOD"] == "POST") {
        // Retrieve the values from the form
        $num1 = $_POST["num1"];
        $num2 = $_POST["num2"];
        $operation = $_POST["operation"];

        // Perform the calculation based on the selected operation
        switch ($operation) {
            case "addition":
                $result = $num1 + $num2;
                break;
            case "subtraction":
                $result = $num1 - $num2;
                break;
            case "multiplication":
                $result = $num1 * $num2;
                break;
            case "division":
                if ($num2 != 0) {
                    $result = $num1 / $num2;
                } else {
                    $result = "Cannot divide by zero";
                }
                break;
            default:
                $result = "Invalid operation";
        }
```
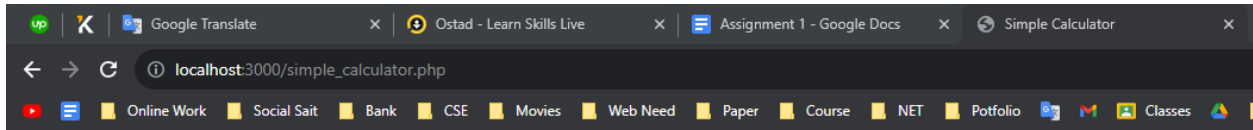
```
    // Display the result
    echo "<br>Result: " . $result;
  }
  ?>
</body>
</html>
```

Output:

Input: 100-45