WEB TECHNOLOGIES
LAB ASSIGNMENT 04

NAME:

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REG. NO:

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CLASS:

　BCS-6B
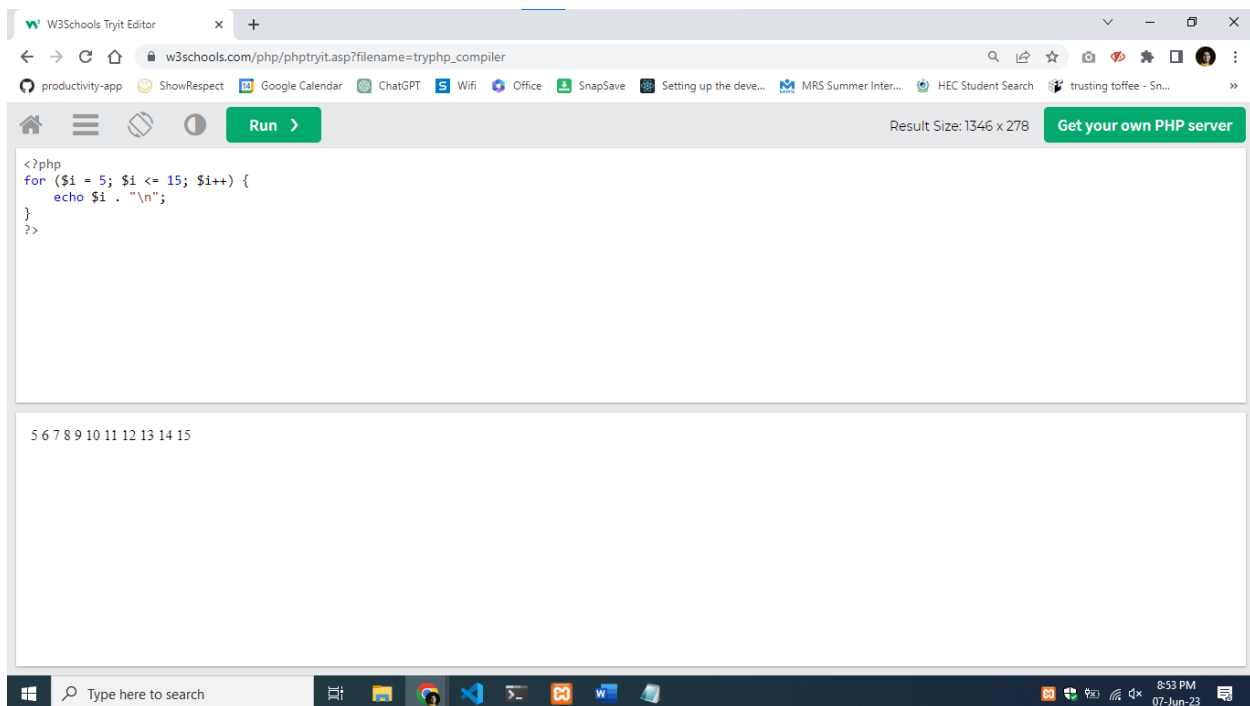
SUBMITTED TO:

　MR. TABISH

DATE:

　07-JUNE-2023

Question 1:

Write a Program to display count, from 5 to 15 using PHP loop.

```php
<?php
for ($i = 5; $i <= 15; $i++) {
   echo $i . "\n";
}
?>
```


Question 2:

Write a program to check student grade based on the marks using if-else statement.
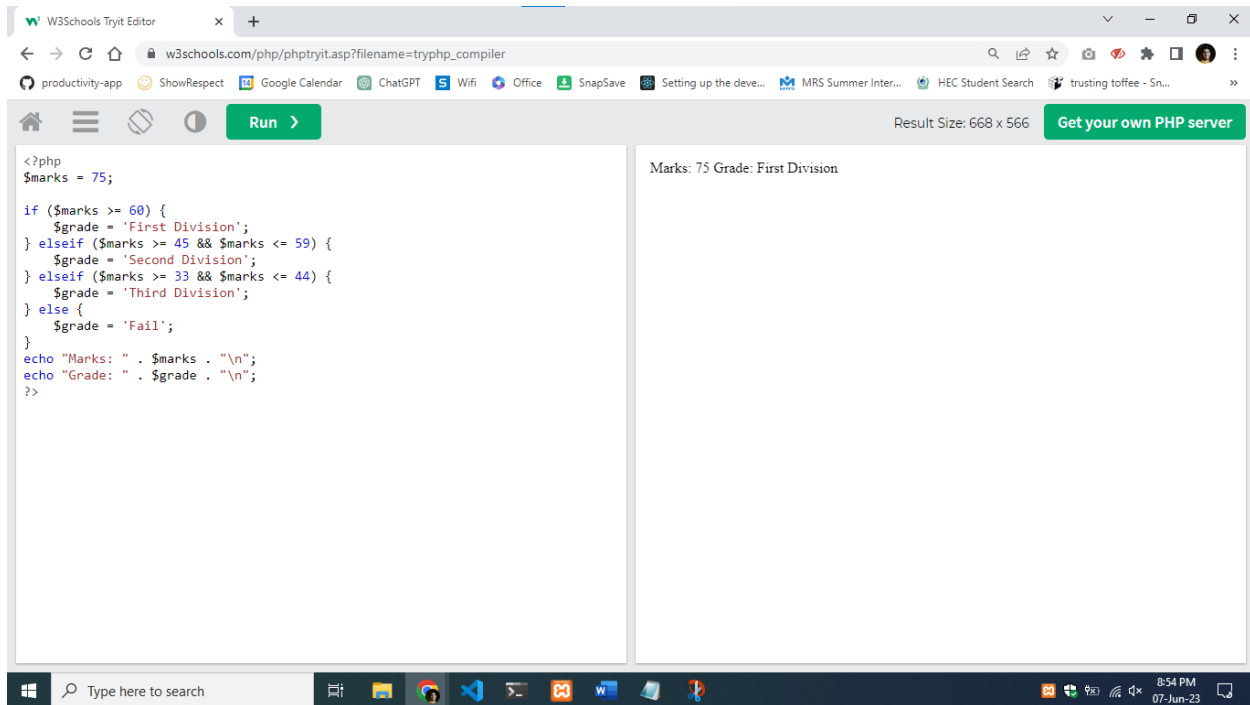
Conditions:

1. If marks are 60% or more, grade will be First Division.

2. If marks between 45% to 59%, grade will be Second Division.

3. If marks between 33% to 44%, grade will be Third Division.

4. If marks are less than 33%, student will be Fail.

```php
<?php
$marks = 75;

if ($marks >= 60) {
    $grade = 'First Division';
} elseif ($marks >= 45 && $marks <= 59) {
    $grade = 'Second Division';
} elseif ($marks >= 33 && $marks <= 44) {
    $grade = 'Third Division';
} else {
    $grade = 'Fail';
}

echo "Marks: " . $marks . "\n";
echo "Grade: " . $grade . "\n";
?>
```

🏠 ≡ ◈ ◑   **Run >**   Result Size: 668 x 566   **Get your own PHP server**

```php
<?php
$marks = 75;

if ($marks >= 60) {
    $grade = 'First Division';
} elseif ($marks >= 45 && $marks <= 59) {
    $grade = 'Second Division';
} elseif ($marks >= 33 && $marks <= 44) {
    $grade = 'Third Division';
} else {
    $grade = 'Fail';
}
echo "Marks: " . $marks . "\n";
echo "Grade: " . $grade . "\n";
?>
```

Marks: 75 Grade: First Division

Question 3:

Write a program to show a day of the week (for example: Monday) based on numbers using switch/case statements.

Conditions:

1. You can pass 1 to 7 number in switch

2. Day 1 will be considered as Monday

3. If the number is not between 1 to 7, show invalid number in default.

<?php

$dayNumber = 3;

switch ($dayNumber) {

    case 1:

        $day = 'Monday';
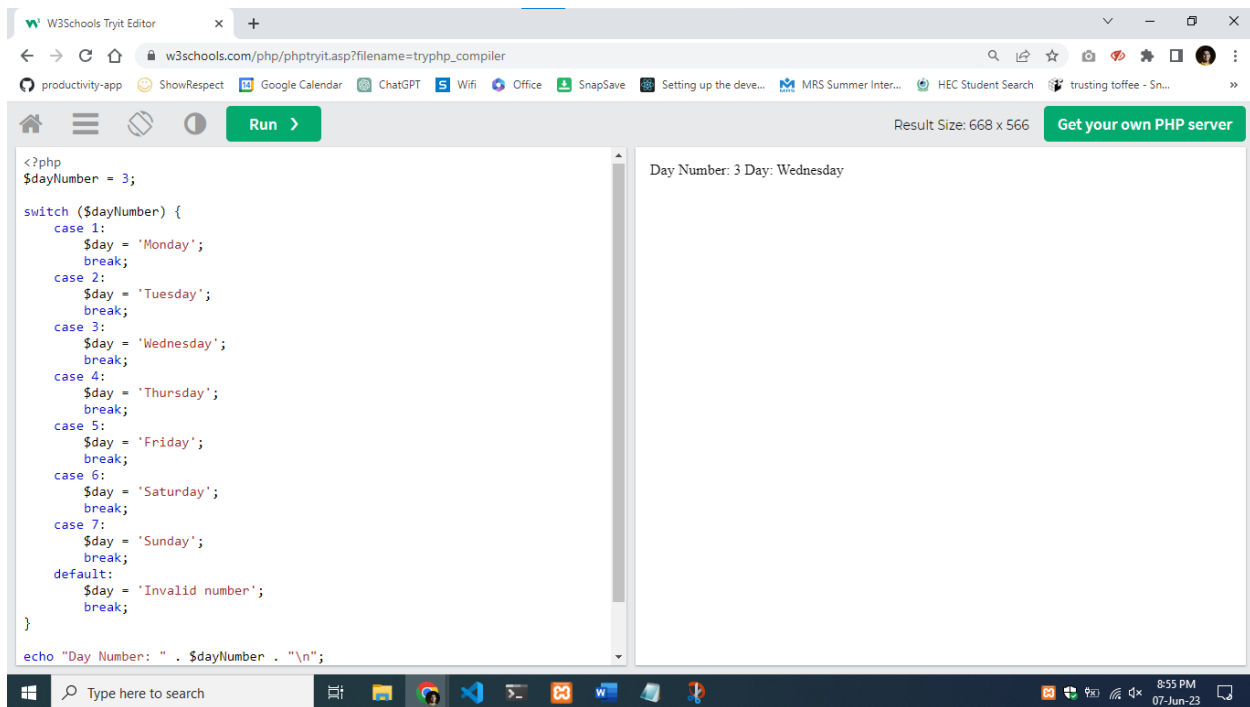
        break;

    case 2:

```php
        $day = 'Tuesday';
        break;
    case 3:
        $day = 'Wednesday';
        break;
    case 4:
        $day = 'Thursday';
        break;
    case 5:
        $day = 'Friday';
        break;
    case 6:
        $day = 'Saturday';
        break;
    case 7:
        $day = 'Sunday';
        break;
    default:
        $day = 'Invalid number';
        break;
}

echo "Day Number: " . $dayNumber . "\n";
echo "Day: " . $day . "\n";
?>
```

```php
<?php
$dayNumber = 3;

switch ($dayNumber) {
    case 1:
        $day = 'Monday';
        break;
    case 2:
        $day = 'Tuesday';
        break;
    case 3:
        $day = 'Wednesday';
        break;
    case 4:
        $day = 'Thursday';
        break;
    case 5:
        $day = 'Friday';
        break;
    case 6:
        $day = 'Saturday';
        break;
    case 7:
        $day = 'Sunday';
        break;
    default:
        $day = 'Invalid number';
        break;
}

echo "Day Number: " . $dayNumber . "\n";
```

Day Number: 3 Day: Wednesday

Type here to search

8:55 PM
07-Jun-23

Question 4:

Write a PHP program using nested for loop that creates a chess board.

Conditions:

1.You can use html table having width="400px" and take "30px" as cell height and width for check boxes.

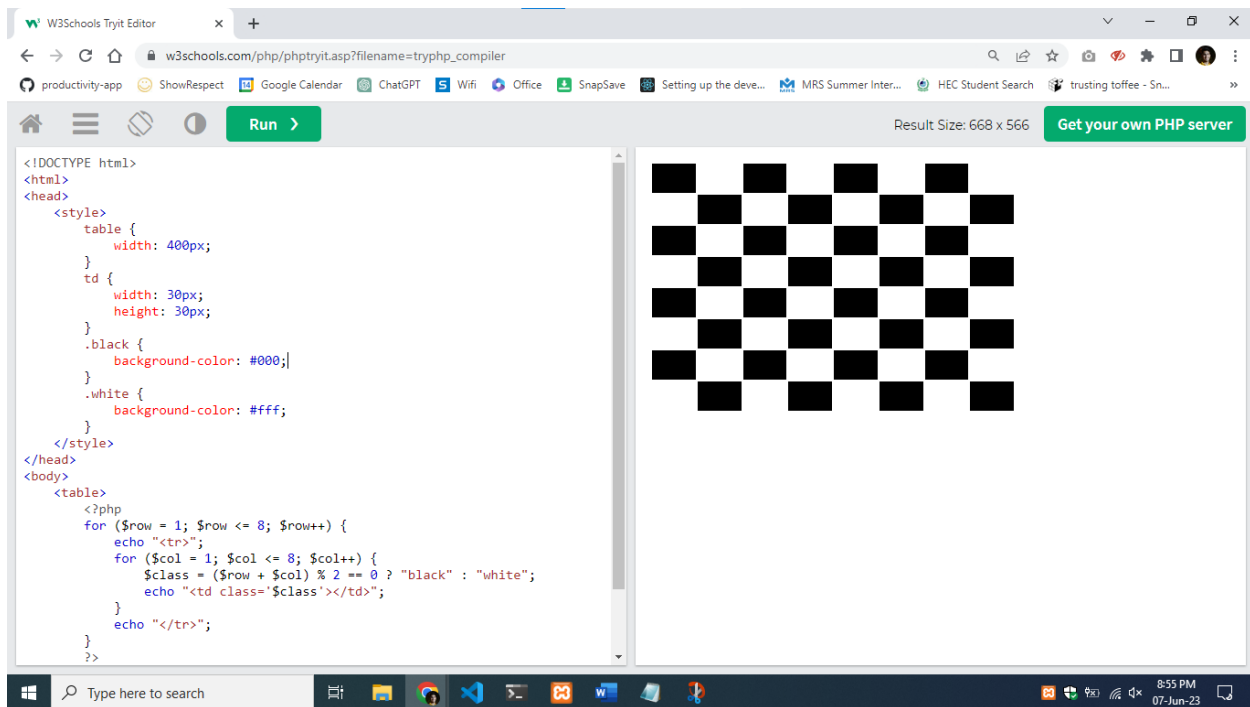<!DOCTYPE html>

<html>

<head>

  <style>

    table {

      width: 400px;

    }

    td {

      width: 30px;

      height: 30px;

```php
      }
      .black {
        background-color: #000;
      }
      .white {
        background-color: #fff;
      }
    </style>
  </head>
  <body>
    <table>
      <?php
      for ($row = 1; $row <= 8; $row++) {
        echo "<tr>";
        for ($col = 1; $col <= 8; $col++) {
          $class = ($row + $col) % 2 == 0 ? "black" : "white";
          echo "<td class='$class'></td>";
        }
        echo "</tr>";
      }
      ?>
    </table>
  </body>
</html>
```

Question 5:

You need to write a PHP program to calculate electricity bill using ifelse conditions.

Conditions:

1. For first 50 units – Rs. 3.50/unit

2. For next 100 units – Rs. 4.00/unit

3. For next 100 units – Rs. 5.20/unit

4. For units above 250 – Rs. 6.50/unit

5. You can use conditional statements.

<?php

$units = 300; // Number of units consumed
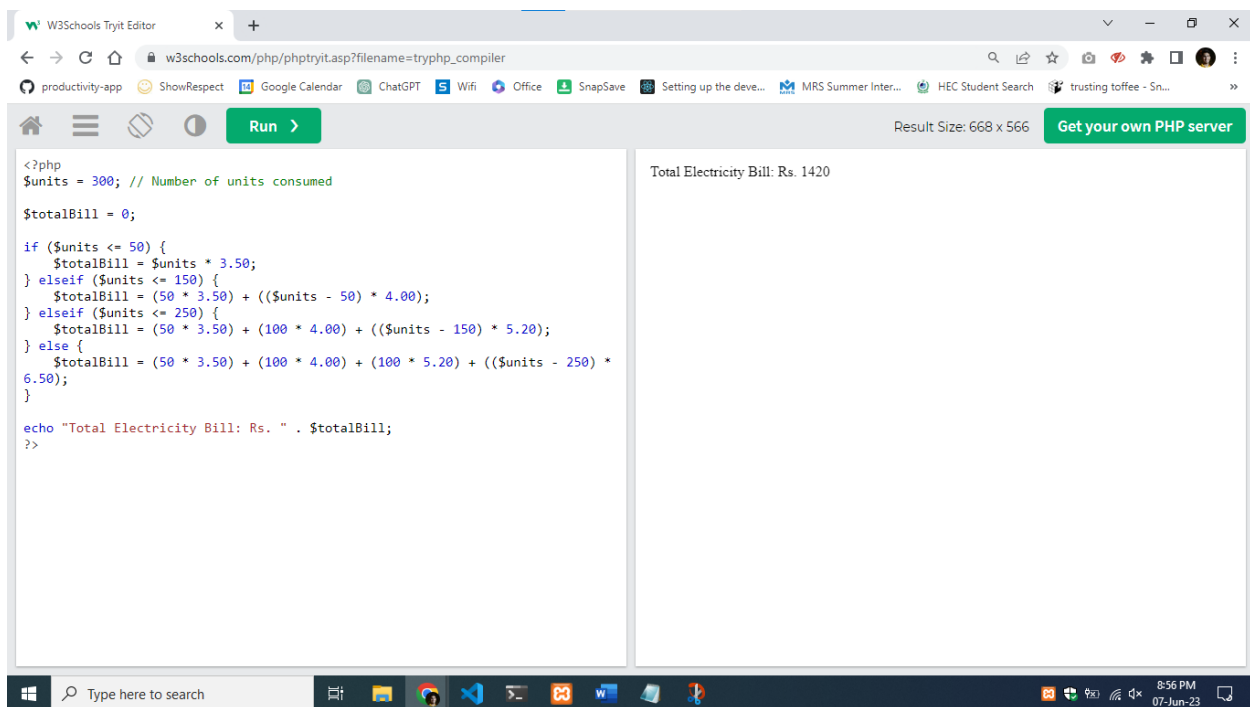

$totalBill = 0;

if ($units <= 50) {

```php
    $totalBill = $units * 3.50;
} elseif ($units <= 150) {
    $totalBill = (50 * 3.50) + (($units - 50) * 4.00);
} elseif ($units <= 250) {
    $totalBill = (50 * 3.50) + (100 * 4.00) + (($units - 150) * 5.20);
} else {
    $totalBill = (50 * 3.50) + (100 * 4.00) + (100 * 5.20) + (($units - 250) * 6.50);
}


echo "Total Electricity Bill: Rs. " . $totalBill;
?>
```