



WEB TECHNOLOGIES

LAB ASSIGNMENT 04

NAME:

MUHAMMAD MUAAB SHOAIB

REG. NO:

FA20-BCS-074

CLASS:

BCS-6B

SUBMITTED TO:

MR. TABISH

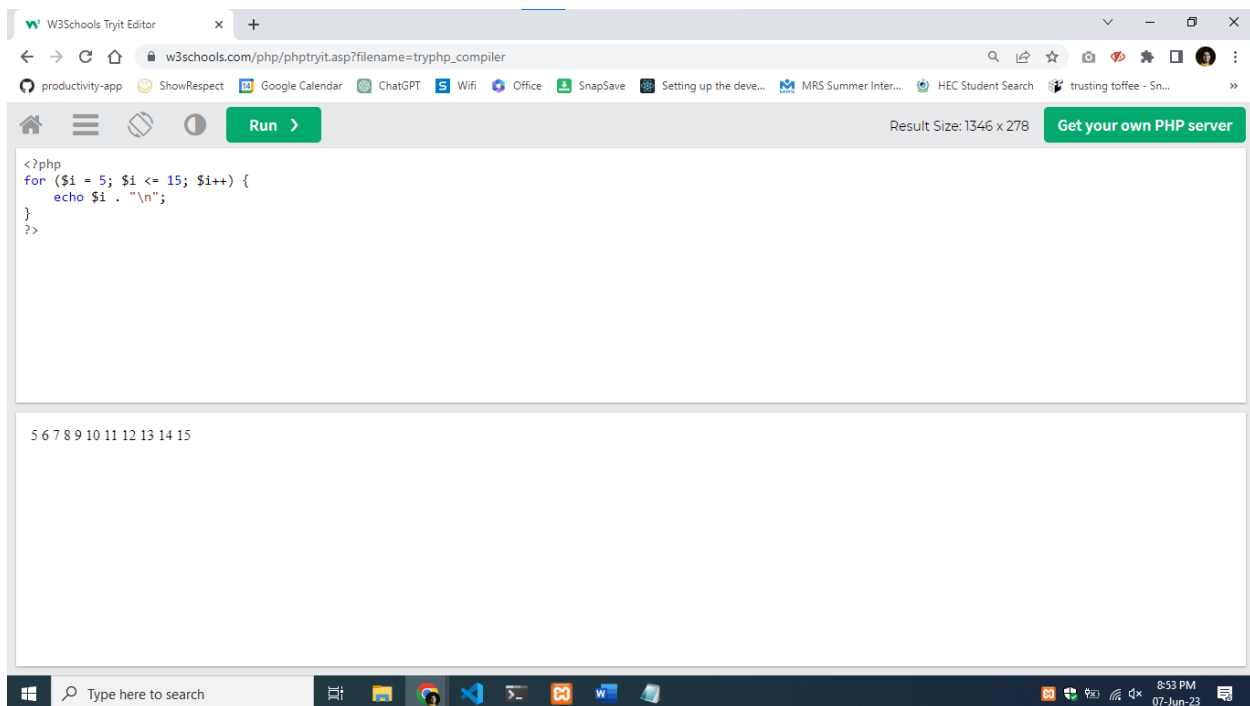
DATE:

07-JUNE-2023

Question 1:

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

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

A screenshot of a web browser displaying the W3Schools Tryit Editor. The browser's address bar shows the URL 'w3schools.com/php/tryit.asp?filename=tryphp_compiler'. The editor's toolbar includes a 'Run' button. The code area contains the PHP code for a loop that prints numbers from 5 to 15. The output area below the code shows the result: '5 6 7 8 9 10 11 12 13 14 15'. The Windows taskbar is visible at the bottom of the screen.

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

5 6 7 8 9 10 11 12 13 14 15

Question 2:

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

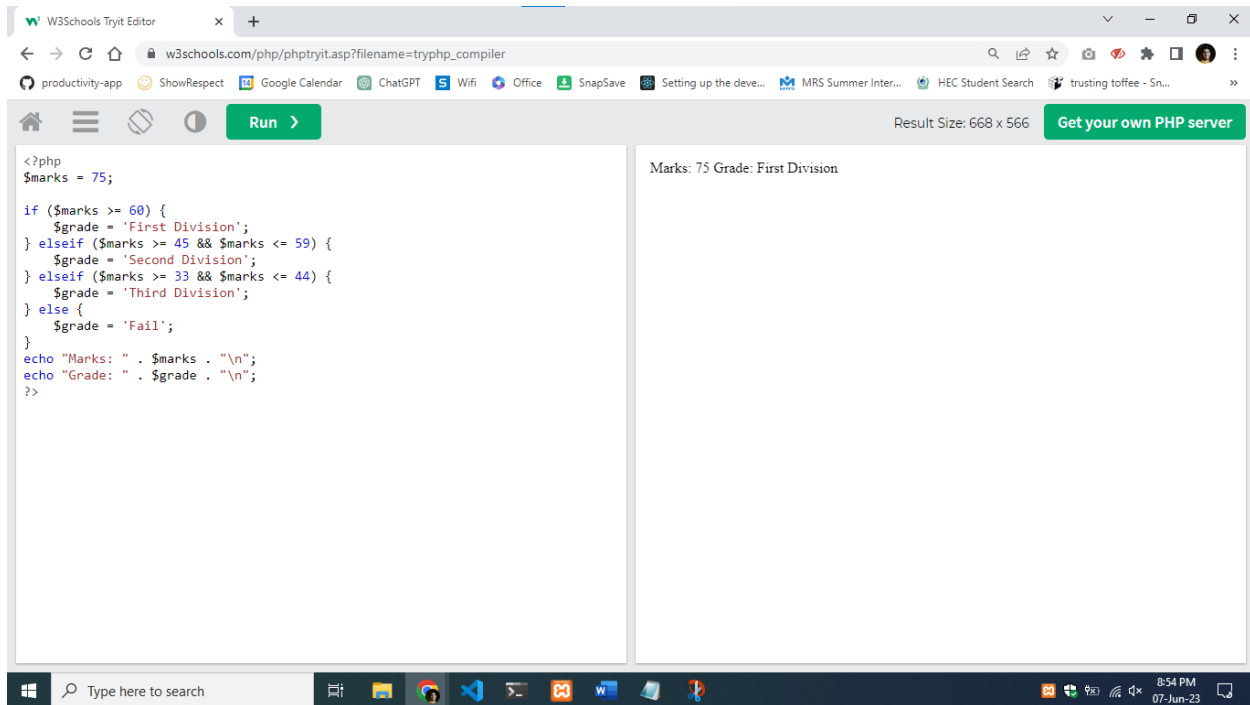
Conditions:

- 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
$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";
?>
```



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:
```

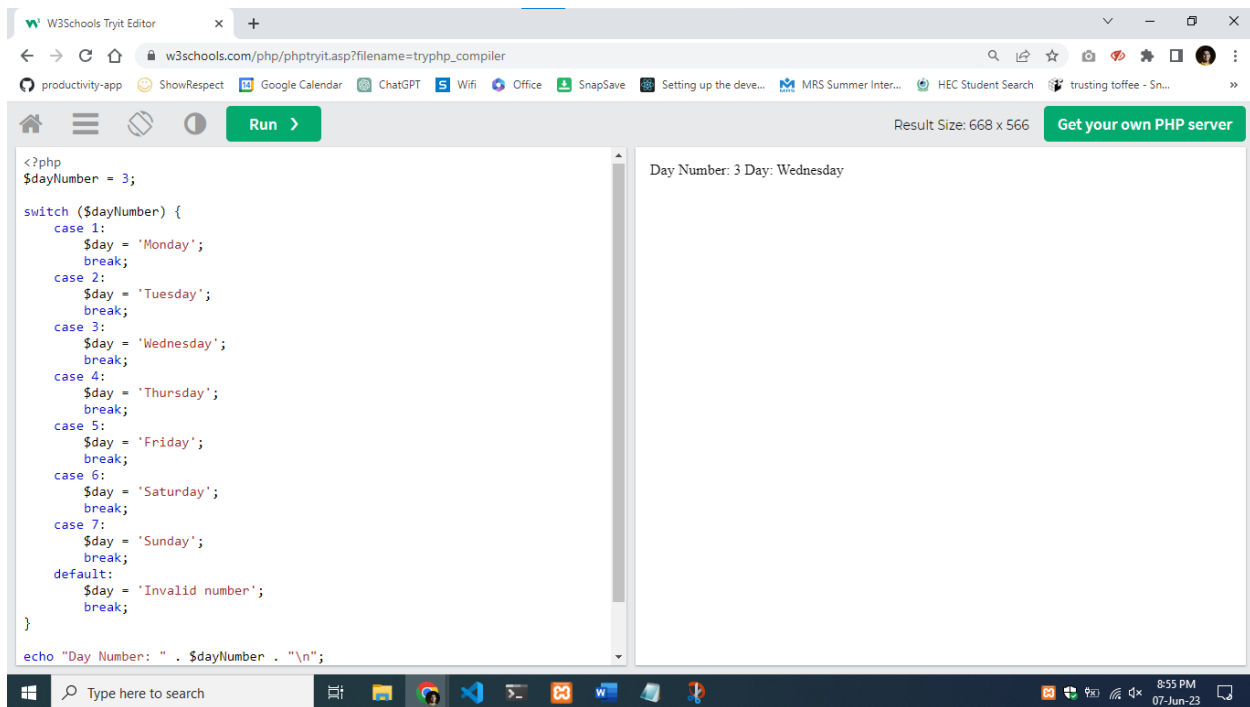
```
        $day = 'Monday';
```

```
        break;
```

```
    case 2:
```

```
    $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";
?>
```



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>
```

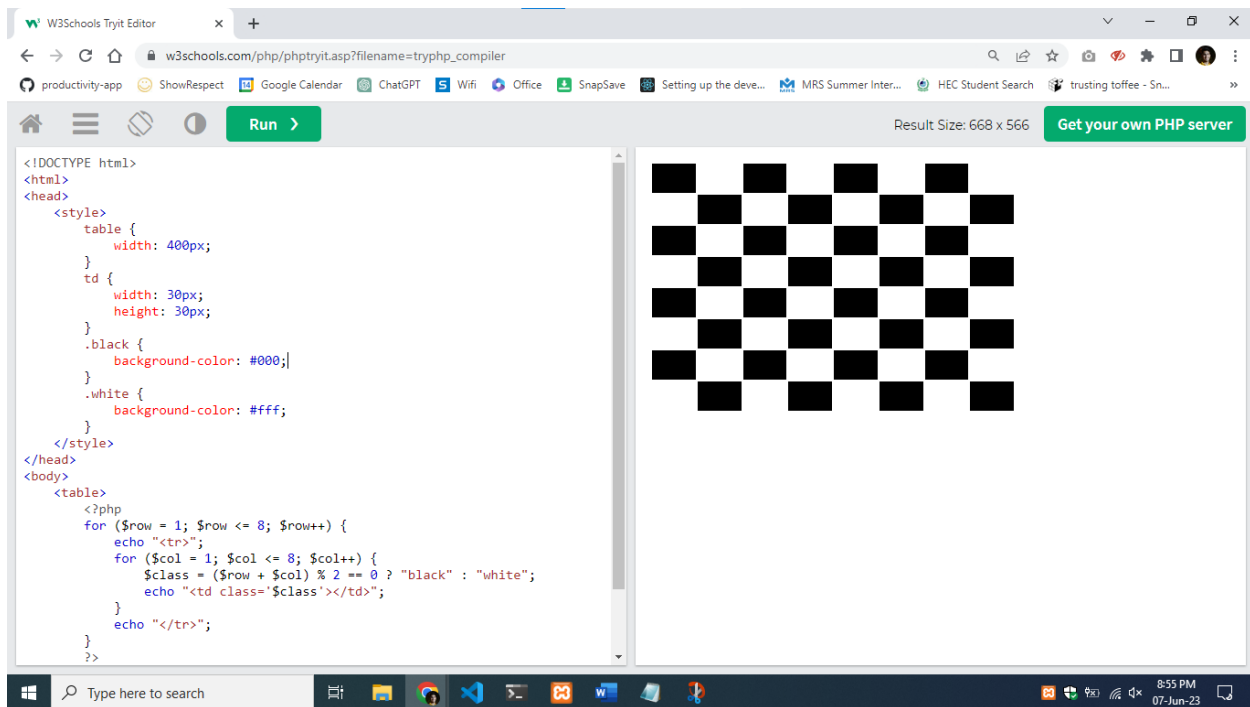
```
<head>
```

```
<style>
```

```
    table {
        width: 400px;
    }
```

```
    td {
        width: 30px;
        height: 30px;
```

```
}  
.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) {
```



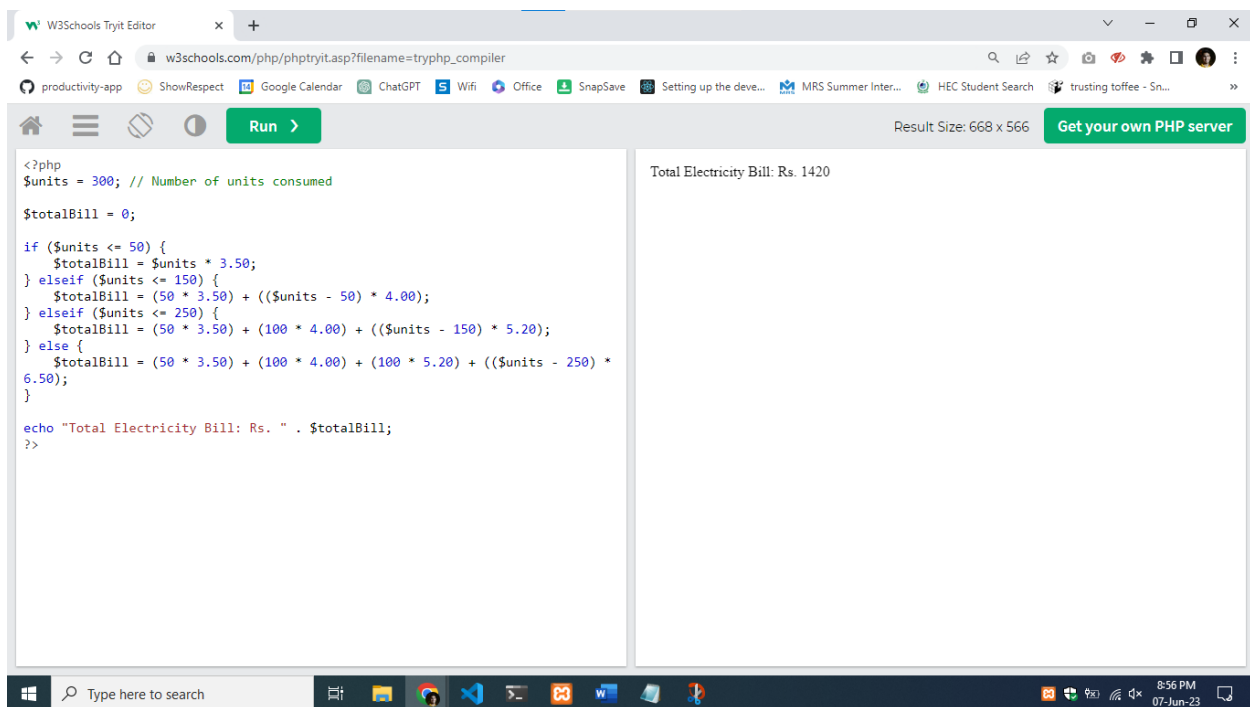
```

    $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;

?>

```



The screenshot shows a web browser window with the URL `w3schools.com/php/phptryit.asp?filename=tryphp_compiler`. The browser's address bar and tabs are visible at the top. Below the browser window is a Windows taskbar with various application icons and a search bar. The main content area of the browser is divided into two panes. The left pane, titled 'W3Schools Tryit Editor', contains the following PHP code:

```

<?php
$units = 300; // Number of units consumed

$totalBill = 0;

if ($units <= 50) {
    $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;
?>

```

The right pane displays the output of the code: "Total Electricity Bill: Rs. 1420". Above the output, it says "Result Size: 668 x 566". A green button labeled "Get your own PHP server" is located in the top right corner of the editor area.