28. Write a program to calculate Electricity bill in PHP

Conditions:

i. For first 50 units – Rs. 3.50/unit

ii. For next 100 units – Rs. 4.00/unit

iii. For next 100 units – Rs. 5.20/unit

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

<!DOCTYPE html>

<html>

<head>

<title>Electricity Bill Calculator</title>

</head>

<body>

<?php

// Function to calculate electricity bill

function calculateElectricityBill($units) {

$totalBill = 0;

// Calculate bill based on the given conditions

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;

}

return $totalBill;

}

// Check if form is submitted

if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

// Get input from the textbox

$consumedUnits = $\_POST['units'];

// Validate input (check if it's a valid number)

if (is\_numeric($consumedUnits) && $consumedUnits >= 0) {

// Calculate electricity bill

$billAmount = calculateElectricityBill($consumedUnits);

echo "Electricity Bill for $consumedUnits units is: Rs. $billAmount";

} else {

echo "Please enter a valid number of units.";

}

}

?>

<!-- Form to input consumed units -->

<form method="post" action="<?php echo $\_SERVER['PHP\_SELF']; ?>">

Enter consumed units: <input type="text" name="units" required>

<input type="submit" value="Calculate Bill">

</form>

</body>

</html>