

WPL – 16

consumerBill.php:

```
<html>
<head>
<title>Form</title>
</head>
<body>

<form method="post" action=<?php echo $_SERVER['PHP_SELF']; ?>>
Consumer name:<input type="text" name="CName"><br>
Consumer No:<input type="text" name="CNo"><br>
Unit:<input type="text" name="unit"><br>

<input type="submit" name="submit">
</form>

<?php
if ($_SERVER['REQUEST_METHOD'] === 'POST') {
    $CName = $_POST['CName'];
    $CNo = $_POST['CNo'];
    $unit = (float)$_POST['unit'];

    $remaining = $unit;
    $bill = 0.0;
    $breakdown = [];
}
```

```

$tiers = [
    [100, 5.0],
    [100, 7.5],
    [PHP_INT_MAX, 10.0],
];

foreach ($tiers as $t) {
    if ($remaining <= 0) break;
    $limit = $t[0]; $rate = $t[1];
    $u = min($remaining, $limit);
    $charge = $u * $rate;
    $bill += $charge;
    $breakdown[] = "{$u} unit(s) x Rs.{$rate} = Rs." . number_format($charge, 2);
    $remaining -= $u;
}

echo "Consumer Name: $CName<br>";
echo "Consumer No: $CNo<br>";
echo "Units: $unit<br><br>";
echo "Bill breakdown:<br>";
foreach ($breakdown as $line) echo $line . "<br>";
echo "<strong>Total Amount Payable: Rs." . number_format($bill, 2) . "</strong><br>";
}

?>
</body>
</html>

```

output:

A screenshot of a web browser window titled "Form". The address bar shows "localhost/wpl/wpl16.php". The page contains a form with four input fields and a submit button. The inputs are: "Consumer name: Favadh", "Consumer No: 231", "Unit: 56", and a "Submit" button. Below the form, the submitted data is displayed: "Consumer Name: Favadh", "Consumer No: 231", and "Units: 56". A section labeled "Bill breakdown:" shows the calculation "56 unit(s) x Rs.5 = Rs.280.00". The total amount is bolded as "Total Amount Payable: Rs.280.00".

Consumer name: Favadh
Consumer No: 231
Unit: 56
Submit

Consumer Name: Favadh
Consumer No: 231
Units: 56

Bill breakdown:
56 unit(s) x Rs.5 = Rs.280.00
Total Amount Payable: Rs.280.00