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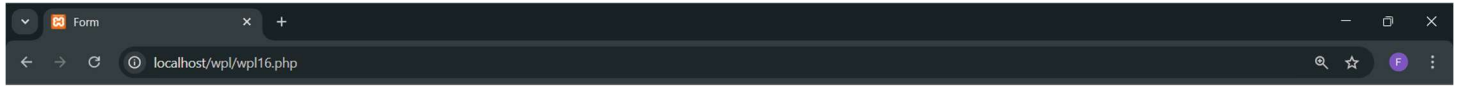
```php
    $tiers = [
      [100, 5.0],
      [100, 7.5],
      [PHP_INT_MAX, 10.0],
    ];

    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:

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