

1. 5+10+15+20+25+...for N Steps
2. 1-2+3-4+5-6+... for N Steps
3. Find N! for given N
4. Print table for given Number N.
5. Calculate M to the power N.
6. Perform selected arithmetic operation on two numbers.
7. Check that given number is prime or not.
8. To count and display total bill amount based on selected Items (checkbox) after adding 15% service tax. (Item-1 Rs.100, Item-2 Rs.200, Item-3 Rs.300).

Solution

<!-- ex1.htm: To accept number N from User Table -->

```
<html>
<body>
<form method="post" action="ex1.php">
<input type="text" name="n">
<input type="submit" name="printsum" value="Print Sum">
</form>
</body>
</html>
```

```
<?php
    //ex1.php: To print sum of Series
    //5+10+15+20+25+30+....for N steps
    $N=$_REQUEST["n"];
    $sum=0;
    for ($i=1; $i <= $N; $i++)
    {
        $sum = $sum + ( $i * 5 );
    }
    echo $sum;
?>
```

<!-- ex2.htm: To accept number N from User Table -->

```
<html>
<body>
<form method="post" action="ex2.php">
<input type="text" name="n">
<input type="submit" name="printsum" value="Print Sum">
</form>
</body>
</html>
```

```
<?php
    //1-2+3-4+5-6+7 ... for N steps
    $N=$_POST["n"];
    $sum=0;
    for ($i=1; $i <= $N; $i++)
    {
        if ($i % 2 == 0)
            $sum=$sum-$i;
    }
}
```

```
        else
            $sum+=$i;
    }
    echo $sum;
?>
```

```
<!-- ex3.htm: To accept number N from User -->
<html>
<body>
<form method="post" action="ex3.php">
<input type="text" name="n">
<input type="submit" name="printNF" value="Print N!">
</form>
</body>
</html>
```

```
<?php
    //N! e.g. 5!=5*4*3*2*1
    $N=$_POST["n"];
    $nf=1;
    for ($i=1; $i <= $N; $i++)
    {
        $nf=$nf * $i;
    }
    echo $nf;
?>
```

```
<!-- ex5.htm: To accept number M and N from User -->
<html>
<body>
<form method="post" action="ex5.php">
Enter M <input type="text" name="m"> <br>
Enter N <input type="text" name="n"> <br>
<input type="submit" name="printMN" value="Print M^N">
</form>
</body>
</html>
```

```
<?php
    //Calculate M^N. 2*2*2*2*2
    $M=$_REQUEST["m"];
    $N=$_REQUEST["n"];
    $MN=1;
    for ($i=1; $i <= $N; $i++)
    {
        $MN=$MN * $M;
    }
    echo $MN;
?>
```

```
<!-- ex7.htm: To accept number N from User -->
<html>
```

```
<body>
<form method="post" action="ex7.php">
Enter N <input type="text" name="n">
<input type="submit" name="CheckPrime" value="Check
Prime">
</form>
</body>
</html>
```

```
<?php
    //Check that given number is prime or not.

    $N=$_POST["n"];
    $NoofFactor=0;

    for ($i=1; $i <= $N; $i++)
    {
        if ($N % $i == 0)
            $NoofFactor=$NoofFactor + 1;
    }
    if ($NoofFactor==2)
        echo "Prime";
    else
        echo "Not Prime";
?>
```

```
<!-- To accept number for Print Table -->
<html>
<body>
<form method="post" action="ex8.php">
Select Items for Order <br>
<input type="checkbox" name="item1" Value="Item-1 Rs.100">Item-1 Rs.100<br>
<input type="checkbox" name="item2" Value="Item-2 Rs.200"> Item-2 Rs.200<br>
<input type="checkbox" name="item3" Value="Item-3 Rs.300"> Item-3 Rs.300<br>

<input type="submit" name="displaybill" value="Display Bill">
</form>
</body>
</html>
```

```
<?php
    $item1cost=0;
    $item2cost=0;
    $item3cost=0;

    if (isset($_POST["item1"]))
        $item1cost=100;
    if (isset($_POST["item2"]))
        $item2cost=200;
```

```
if (isset($_POST["item3"]))
    $item3cost=300;
$total=$item1cost+$item2cost+$item3cost;
$total = $total + ($total * 0.15);
echo "Total Bill is Rs. ", $total;
?>
```

- The remaining two programs are from Journal Program List.