1. Sum of 2 numbers

```
<!DOCTYPE html>

<html>

<head>

        <title>Sum of Two Numbers</title>

</head>

<body>

        <form action="" method="post">

                Enter First Number: <input type="text" name="num1"><br><br>

                Enter Second Number: <input type="text" name="num2"><br><br>

                <input type="submit" name="submit" value="Find Sum">

        </form>

        <?php

        if(isset($_POST['submit']))

        {

                $num1 = $_POST['num1'];

                $num2 = $_POST['num2'];

                $sum = $num1 + $num2;

                echo "The sum of $num1 and $num2 is: $sum";

        }

        ?>

</body>

</html>
```

2. Area of a rectangle

```
<!DOCTYPE html>
<html>
<head>
        <title>Area of Rectangle</title>
```

```
</head>
<body>
        <form action="" method="post">
                Enter the Length of Rectangle: <input type="text" name="length"><br><br>
                Enter the Breadth of Rectangle: <input type="text" name="breadth"><br><br>
                <input type="submit" name="submit" value="Find Area">
        </form>
        <?php
        if(isset($_POST['submit']))
        {
                $length = $_POST['length'];
                $breadth = $_POST['breadth'];
                $area = $length * $breadth;
                echo "The area of the rectangle is: $area";
        }
        ?>
</body>
</html>
```

3. Area of a circle

```
<!DOCTYPE html>
<html>
<head>
        <title>Area of Circle</title>
</head>
<body>
        <form action="" method="post">
                Enter the Radius of Circle: <input type="text" name="radius"><br><br>
                <input type="submit" name="submit" value="Find Area">
        </form>
        <?php
        if(isset($_POST['submit']))
        {
                $radius = $_POST['radius'];
                $area = 3.14 * $radius * $radius;
                echo "The area of the circle is: $area";
        }
        ?>
</body>
</html>
```

4. Volume of Sphere

```
<!DOCTYPE html>
```

```
<html>
<head>
        <title>Volume of Sphere</title>
</head>
<body>
        <form action="" method="post">
                Enter the Radius of Sphere: <input type="text" name="radius"><br><br>
                <input type="submit" name="submit" value="Find Volume">
        </form>
        <?php
        if(isset($_POST['submit']))
        {
                $radius = $_POST['radius'];
                $volume = (4/3) * 3.14 * $radius * $radius * $radius;
                echo "The volume of the sphere is: $volume";
        }
        ?>
</body>
</html>
```

5. **check whether the given number is odd or even.**

```
<!DOCTYPE html>
<html>
<head>
        <title>Odd or Even</title>
</head>
<body>
        <form action="" method="post">
                Enter a Number: <input type="text" name="num"><br><br>
                <input type="submit" name="submit" value="Check">
        </form>
        <?php
        if(isset($_POST['submit']))
        {
                $num = $_POST['num'];
                if($num % 2 == 0)
                        echo "$num is an Even Number";
                else
                        echo "$num is an Odd Number";
        }
        ?>
</body>
</html>
```

6. **check whether the given number is positive negative or zero**

```
<!DOCTYPE html>
```

```html
<html>
<head>
        <title>Positive, Negative or Zero</title>
</head>
<body>
        <form action="" method="post">
                Enter a Number: <input type="text" name="num"><br><br>
                <input type="submit" name="submit" value="Check">
        </form>
        <?php
        if(isset($_POST['submit']))
        {
                $num = $_POST['num'];
                if($num > 0)
                        echo "$num is a Positive Number";
                else if($num < 0)
                        echo "$num is a Negative Number";
                else
                        echo "$num is Zero";
        }
        ?>
</body>
</html>
```

7. **greater among 2 numbers**
```html
<!DOCTYPE html>
<html>
<head>
        <title>Greater Among Two Numbers</title>
</head>
<body>
        <form action="" method="post">
                Enter First Number: <input type="text" name="num1"><br><br>
                Enter Second Number: <input type="text" name="num2"><br><br>
                <input type="submit" name="submit" value="Find Greater">
        </form>
        <?php
        if(isset($_POST['submit']))
        {
                $num1 = $_POST['num1'];
                $num2 = $_POST['num2'];
                if($num1 > $num2)
                        echo "$num1 is greater than $num2";
                else
                        echo "$num2 is greater than $num1";
```

```
			}
			?>
	</body>
	</html>
```

8. **smallest among 3 numbers**

```html
<!DOCTYPE html>
<html>
<head>
	<title>Smallest Among Three Numbers</title>
</head>
<body>
	<form action="" method="post">
		Enter First Number: <input type="text" name="num1"><br><br>
		Enter Second Number: <input type="text" name="num2"><br><br>
		Enter Third Number: <input type="text" name="num3"><br><br>
		<input type="submit" name="submit" value="Find Smallest">
	</form>
	<?php
	if(isset($_POST['submit']))
	{
		$num1 = $_POST['num1'];
		$num2 = $_POST['num2'];
		$num3 = $_POST['num3'];
		if($num1 <= $num2 && $num1 <= $num3)
			echo "$num1 is the smallest among $num1, $num2 and $num3";
		elseif($num2 <= $num1 && $num2 <= $num3)
			echo "$num2 is the smallest among $num1, $num2 and $num3";
		else
			echo "$num3 is the smallest among $num1, $num2 and $num3";
	}
	?>
	</body>
	</html>
```

9. **check whether the given number is palindrome or not.**

```html
<!DOCTYPE html>
<html>
<head>
	<title>Palindrome Check</title>
</head>
<body>
	<form action="" method="post">
		Enter a Number: <input type="text" name="num"><br><br>
		<input type="submit" name="submit" value="Check">
	</form>
```

```php
<?php
if(isset($_POST['submit']))
{
        $num = $_POST['num'];
        $temp = $num;
        $rev = 0;
        while($temp != 0)
        {
                $rem = $temp % 10;
                $rev = $rev * 10 + $rem;
                $temp = (int)($temp / 10);
        }
        if($num == $rev)
                echo "$num is a Palindrome Number";
        else
                echo "$num is not a Palindrome Number";
}
?>
</body>
</html>
```

10. **check whether the given number is armstrong or not.**

```html
<!DOCTYPE html>
<html>
<head>
        <title>Armstrong Number Check</title>
</head>
<body>
        <form action="" method="post">
                Enter a Number: <input type="text" name="num"><br><br>
                <input type="submit" name="submit" value="Check">
        </form>
        <?php
        if(isset($_POST['submit']))
        {
                $num = $_POST['num'];
                $temp = $num;
                $sum = 0;
                $digits = 0;
                while($temp != 0)
                {
                        $digits++;
                        $temp = (int)($temp / 10);
                }
                $temp = $num;
```

```php
                while($temp != 0)
                {
                        $rem = $temp % 10;
                        $sum = $sum + pow($rem, $digits);
                        $temp = (int)($temp / 10);
                }
                if($num == $sum)
                        echo "$num is an Armstrong Number";
                else
                        echo "$num is not an Armstrong Number";
        }
        ?>
</body>
</html>
```

11. **check whether the given number is prime or composite.**

```php
<!DOCTYPE html>
<html>
<head>
        <title>Prime or Composite Check</title>
</head>
<body>
        <form action="" method="post">
                Enter a Number: <input type="text" name="num"><br><br>
                <input type="submit" name="submit" value="Check">
        </form>
        <?php
        if(isset($_POST['submit']))
        {
                $num = $_POST['num'];
                $flag = 0;
                for($i=2; $i<=$num/2; $i++)
                {
                        if($num%$i == 0)
                        {
                                $flag = 1;
                                break;
                        }
                }
                if($flag == 0)
                        echo "$num is a Prime Number";
                else
                        echo "$num is a Composite Number";
        }
        ?>
```

```
</body>
</html>
```

12. **To find the factors of a number**

```html
<!DOCTYPE html>
<html>
<head>
        <title>Factor of a Number</title>
</head>
<body>
        <form action="" method="post">
                Enter a Number: <input type="text" name="num"><br><br>
                <input type="submit" name="submit" value="Find Factors">
        </form>
        <?php
        if(isset($_POST['submit']))
        {
                $num = $_POST['num'];
                echo "The factors of $num are: ";
                for($i=1; $i<=$num; $i++)
                {
                        if($num%$i == 0)
                                echo "$i ";
                }
        }
        ?>
</body>
</html>
```

13. **to find the factorial of a number.**

```html
<!DOCTYPE html>
<html>
<head>
        <title>Factorial of a Number</title>
</head>
<body>
        <form action="" method="post">
                Enter a Number: <input type="text" name="num"><br><br>
                <input type="submit" name="submit" value="Find Factorial">
        </form>
        <?php
        if(isset($_POST['submit']))
        {
                $num = $_POST['num'];
                $factorial = 1;
                for($i=$num; $i>=1; $i--)
```

```php
                {
                        $factorial = $factorial * $i;
                }
                echo "The Factorial of $num is $factorial";
        }
        ?>
</body>
</html>
```

14. **to find the multiplication table of a number.**

```php
<!DOCTYPE html>
<html>
<head>
        <title>Multiplication Table</title>
</head>
<body>
        <form action="" method="post">
                Enter a Number: <input type="text" name="num"><br><br>
                <input type="submit" name="submit" value="Generate Table">
        </form>
        <?php
        if(isset($_POST['submit']))
        {
                $num = $_POST['num'];
                echo "The Multiplication Table of $num is:<br>";
                for($i=1; $i<=10; $i++)
                {
                        $result = $num * $i;
                        echo "$num x $i = $result<br>";
                }
        }
        ?>
</body>
</html>
```

15. **to find the sum of N natural numbers.**

```php
<!DOCTYPE html>
<html>
<head>
        <title>Sum of N Natural Numbers</title>
</head>
<body>
        <form action="" method="post">
                Enter the value of N: <input type="text" name="num"><br><br>
                <input type="submit" name="submit" value="Find Sum">
        </form>
```

```php
<?php
if(isset($_POST['submit']))
{
        $num = $_POST['num'];
        $sum = 0;
        for($i=1; $i<=$num; $i++)
        {
                $sum = $sum + $i;
        }
        echo "The sum of first $num natural numbers is $sum";
}
?>
</body>
</html>
```

16. **to print 1 to 100 using for loop , while loop and do while loop.**

```php
<!DOCTYPE html>
<html>
<head>
        <title>Print 1 to 100</title>
</head>
<body>
        <h3>Using For Loop</h3>
        <p>
                <?php
                for($i=1; $i<=100; $i++)
                {
                        echo "$i ";
                }
                ?>
        </p>

        <h3>Using While Loop</h3>
        <p>
                <?php
                $i = 1;
                while($i<=100)
                {
                        echo "$i ";
                        $i++;
                }
                ?>
        </p>

        <h3>Using Do-While Loop</h3>
```

```
        <p>
                <?php
                $i = 1;
                do
                {
                        echo "$i ";
                        $i++;
                } while($i<=100);
                ?>
        </p>
    </body>
    </html>
```

17. to print the day of the week using switch case

```
<!DOCTYPE html>
<html>
<head>
        <title>Day of the Week</title>
</head>
<body>
        <form action="" method="post">
                Enter a number (1-7): <input type="text" name="day_num"><br><br>
                <input type="submit" name="submit" value="Find Day">
        </form>
        <?php
        if(isset($_POST['submit']))
        {
                $day_num = $_POST['day_num'];
                switch($day_num)
                {
                        case 1:
                                echo "The day is Monday";
                                break;
                        case 2:
                                echo "The day is Tuesday";
                                break;
                        case 3:
                                echo "The day is Wednesday";
                                break;
                        case 4:
                                echo "The day is Thursday";
                                break;
                        case 5:
                                echo "The day is Friday";
                                break;
```

```
                                    case 6:
                                            echo "The day is Saturday";
                                            break;
                                    case 7:
                                            echo "The day is Sunday";
                                            break;
                                    default:
                                            echo "Invalid Input";
                            }
                    }
                    ?>
        </body>
        </html>
```

18. **Ternary Operators**

```
<!DOCTYPE html>
<html>
<head>
        <title>Sign of a Number</title>
</head>
<body>
        <form action="" method="post">
                Enter a number: <input type="text" name="num"><br><br>
                <input type="submit" name="submit" value="Check Sign">
        </form>
        <?php
        if(isset($_POST['submit']))
        {
                $num = $_POST['num'];
                $result = ($num > 0) ? "Positive" : (($num < 0) ? "Negative" : "Zero");
                echo "The number is $result.";
        }
        ?>
</body>
</html>
```