

Program:-

```
<!DOCTYPE html>

<html>

<head>

    <title>Switch</title>

</head>

<body>

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

    Enter a number:

    <input type="text" name="no">

    <input type="submit" name="submit" value="Factorial ">
    <input type="submit" name="submit" value="Even Odd">
    <input type="submit" name="submit" value="Prime No. ">
    <input type="submit" name="submit" value="Positive Negative">

</form>

</body>

</html>

<?php
if(isset($_POST['no']))
{
    $n = (int)$_POST['no'];
    $fun = $_POST['submit'];
    switch ($fun) {
        case 'Factorial':
```

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f($n);

        break;
case 'Even Odd':
        is_odd($n);
        break;
case 'Prime No. ':
        prime($n);
        break;
case 'Positive Negative':
        is_positive($n);
        break;

default:
        # code...
        break;
}

}

if(isset($_POST['prime']))
{
        prime($_POST['no']);
}

function fact($n){
if($n == 1 || $n ==0)
{
        return 1;
}
else{

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        return ($n * fact($n-1));
    }
}
function f($n){
    echo "Factorial of $n is ".fact($n);
}
```

```
function prime($n){
    $count = 0;
    $i = 2;
    while($i != $n){
        if($n % $i == 0){
            $count = 1;
        }
        $i++;
    }

    if($count == 0)
    {
        echo "$n is prime number. ";
    }else{
        echo "$n is not a prime number. ";
    }
}

function is_odd($n){
    if($n%2 == 0)
        echo "$n is Even.";
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        else
            echo "$n is Odd.";
    }
function is_positive($n){
    if($n > 0){
        echo "$n is Positive.";
    }else{
        echo "$n is Negative.";
    }
}
?>
```

Output:-



