

1. FACTORIAL

SOURCE CODE

```
<?php
$num = 4;
$factorial = 1;
for ($x=$num; $x>=1; $x--)
{
    $factorial = $factorial * $x;
}
echo "Factorial of $num is $factorial";
?>
```

Output

Factorial of 4 is 24

2. CONDITIONAL STATEMENTS

SOURCE CODE

```
<?php
$marks=76;
if($marks>=90)
{ $grade="A"; }
elseif ($marks>=80)
{ $grade="B"; }
elseif($marks>=70)
{ $grade="C"; }
elseif($marks>=60)
{ $grade="D"; }
echo"student grade:$grade";
?>
```

OUTPUT

Student grade : C

4. GCD OF TWO NUMBERS USING USER DEFINED FUNCTIONS

SOURCE CODE

```
<?php
$x = 50;
$y = 100;
if ($x > $y) {
    $temp = $x;
    $x = $y;
    $y = $temp;
}
for($i = 1; $i < ($x+1); $i++) {
    if ($x%$i == 0 and $y%$i == 0)
        $gcd = $i;
}
echo "GCD of $x and $y is: $gcd";
?>
```

Output

GCD of 50 and 100 is: 50

5. MULTIPLICATION TABLE

Source Code

```
<?php

$table_no = 7;
$upto = 10;

for($i=1; $i<=$upto; ++$i)
{
    echo "$table_no * $i = ".$table_no * $i ."\n";
}

?>
```

Output

```
7 * 1 = 7
7 * 2 = 14
7 * 3 = 21
7 * 4 = 28
7 * 5 = 35
7 * 6 = 42
7 * 7 = 49
7 * 8 = 56
7 * 9 = 63
7 * 10 = 70
```

6. COMPUTING AGING ON A GIVEN DATE

Source Code

```
<?php

$bday = new DateTime('11.4.1987'); // Your date of birth

$today = new DateTime(date('m.d.y'));

$diff = $today->diff($bday);

printf(' Your age : %d years, %d month, %d days', $diff->y, $diff->m, $diff->d);

printf("\n");

?>
```

Output

Your age : 30 years, 3 month, 0 days

8. DISPLAYING LAST VISITED DATE AND TIME

Source Code

```
<?php

$inTwoMonths = 60 * 60 * 24 * 60 + time();

setcookie('lastVisit', date("G:i - m/d/y"), $inTwoMonths);

if(isset($_COOKIE['lastVisit']))

{

$visit = $_COOKIE['lastVisit'];

echo "Your last visit was - ". $visit;

}

else

echo "You've got some stale cookies!";

?>
```

Output

Your last visit was – 10.05.2022