

```
<?php
ini_set('display_errors', 1);
error_reporting(E_ALL);
?>
```

<h1>Loops</h1>

```
<?php
// for
$a=7;
//echo "$a x 1 = " . ($a*1) . "<br>\n";
//echo "$a x 2 = " . ($a*2) . "<br>\n";
//echo "$a x 3 = " . ($a*3) . "<br>\n";
//echo "$a x 4 = " . ($a*4) . "<br>\n";
for ($i=1;$i<=10;$i++){
    echo "$a x $i = " . ($a*$i) . "<br>\n";
}

$colors=["red","pink","yellow","purple","green","blue"];
for ($i=0;$i<count($colors);$i++){
    echo "$colors[$i]<br>\n";
}
echo "<br>\n";
unset($colors[2]);
foreach ($colors as $item){
    echo "$item<br>\n";
}
echo "<br>\n";
// while
$a=8;
$i=10;
while ($i>=1) {
    echo "$a x $i = " . ($a*$i) . "<br>\n";
    $i--; // $i=$i-1;
}
echo "<br>\n";
//Am I lucky?
$numberToGuess=7;
$myGuess=0;
while ($numberToGuess!=$myGuess){
    $myGuess=rand(1,10);
    echo "My guess is $myGuess<br>\n";
}
```

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}  
echo "Congratulations you have guessed the number!<br>\n";  
echo "<br>\n";  
  
//do ... while  
$a=6;  
$i=1;  
do {  
    echo "$a x $i = ".$a*$i."<br>\n";  
    $i++;  
} while ($i<=10);  
echo "<br>\n";  
  
// nested loops  
echo "<table border=1>\n";  
for ($r=1;$r<=10;$r++) { //rows  
    echo "<tr>";  
    for ($c=1;$c<=10;$c++) { //columns  
        echo "<td>".$r*$c."</td>";  
    }  
    echo "</tr>\n";  
}  
echo "</table>\n";  
?>
```