1. **Here's a PHP function that prints even numbers from 1 to 20 using a for loop:**

function printEvenNumbersForLoop($start, $end, $step) {

for ($i = $start; $i <= $end; $i += $step) {

if ($i % 2 == 0) {

echo $i . " ";

}

}

echo "\n";

}

// Call the function to print even numbers using a for loop

printEvenNumbersForLoop(1, 20, 2);

**And here's the same logic using a while loop:**

function printEvenNumbersWhileLoop($start, $end, $step) {

$current = $start;

while ($current <= $end) {

if ($current % 2 == 0) {

echo $current . " ";

}

$current += $step;

}

echo "\n";

}

// Call the function to print even numbers using a while loop

printEvenNumbersWhileLoop(1, 20, 2);

**Lastly, here's the same logic using a do-while loop:**

function printEvenNumbersDoWhileLoop($start, $end, $step) {

$current = $start;

do {

if ($current % 2 == 0) {

echo $current . " ";

}

$current += $step;

} while ($current <= $end);

echo "\n";

}

// Call the function to print even numbers using a do-while loop

printEvenNumbersDoWhileLoop(1, 20, 2);

2. <?php

for ($i = 1; $i <= 50; $i++) {

if ($i % 5 == 0) {

continue; // Skip multiples of 5

}

echo $i . " ";

}

?>

3. <?php

$first = 0;

$second = 1;

echo "The first 10 Fibonacci numbers are: ";

for ($i = 1; $i <= 10; $i++) {

echo $first . " ";

$next = $first + $second;

$first = $second;

$second = $next;

if ($first > 100) {

break; // Break the loop if Fibonacci number is greater than 100

}

}

?>

4.

<?php

function printFibonacciSeries($n) {

$first = 0;

$second = 1;

echo "The first $n Fibonacci numbers are: ";

for ($i = 1; $i <= $n; $i++) {

echo $first . " ";

$next = $first + $second;

$first = $second;

$second = $next;

}

}

// Call the function to print the first 15 Fibonacci numbers

printFibonacciSeries(15);

?>