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);
?>
```