

Group B

Practical 3

Title: Write a program to enter numbers till the user wants. At the end it should display the count of positive, negative and zeros entered (Using do-while loop).

Objective: Illustrate the use of

- Command line arguments
- Count function
- Do while loop

Theory :

count() function counts elements in an array. \$argv is a predefined array that stores the command line arguments.

do-while loops are very similar to while loops, except the truth expression is checked at the end of each iteration instead of in the beginning. The main difference from regular while loops is that the first iteration of a do-while loop is guaranteed to run (the truth expression is only checked at the end of the iteration), whereas it may not necessarily run with a regular while loop (the truth expression is checked at the beginning of each iteration, if it evaluates to FALSE right from the beginning, the loop execution would end immediately).

There is just one syntax for do-while loops:

```
<?php
$i=0;
do{

    echo$i;
}while($i>0);
?>
```

The above loop would run one time exactly, since after the first iteration, when truth expression is checked, it evaluates to FALSE (\$i is not bigger than 0) and the loop execution ends.

Code:

```
<?php

$positiveCount = 0;
$negativeCount = 0;
$zeroCount = 0;

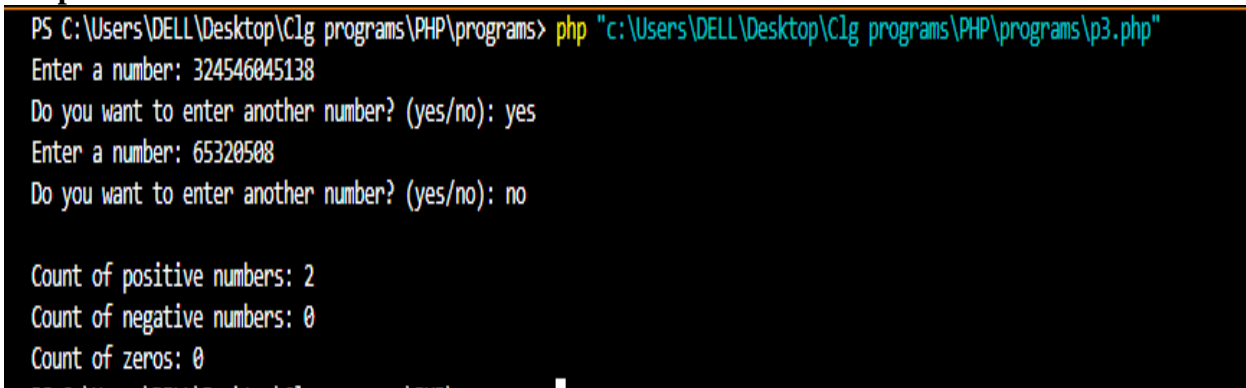
do {
    // Read a number from the user
    $number = (int)readline("Enter a number: ");

    // Check if the number is positive, negative, or zero
    if ($number > 0) {
        $positiveCount++;
    } elseif ($number < 0) {
        $negativeCount++;
    } else {
        $zeroCount++;
    }

    // Ask the user if they want to continue
    $choice = readline("Do you want to enter another number? (yes/no): ");
} while (strtolower($choice) === "yes");

// Display the results
echo "\nCount of positive numbers: $positiveCount\n";
echo "Count of negative numbers: $negativeCount\n";
echo "Count of zeros: $zeroCount\n";

?>
```

Output:

```
PS C:\Users\DELL\Desktop\C1g programs\PHP\programs> php "c:\Users\DELL\Desktop\C1g programs\PHP\programs\p3.php"
Enter a number: 324546045138
Do you want to enter another number? (yes/no): yes
Enter a number: 65320508
Do you want to enter another number? (yes/no): no

Count of positive numbers: 2
Count of negative numbers: 0
Count of zeros: 0
```

Conclusion:

Hence completed a PHP program to enter numbers till the user wants. At the end it should display the count of positive, negative and zeros entered. (Using do-while loop)

