



Republic of the Philippines
CAVITE STATE UNIVERSITY

Bacoor City Campus

SHIV, Molino VI, City of Bacoor

DEPARTMENT OF COMPUTER STUDIES

ITEC 106: IT Elective 2 (Web Systems and Technologies 2)

Activity Sheet

2nd Semester, A.Y. 2021-2022

INTENDED LEARNING OUTCOMES

After the completion of the unit, students will be able to:

1. Use PHP elements, concepts and basic algorithm.
2. Explain the PHP basic elements and concepts.

ACTIVITY 01: PHP BASIC ALGORITHM

DIRECTION

- Write a PHP program to find the number of integers within the range of two specified numbers and that are divisible by another number.
- Sample Data:
For example $x = 5$, $y = 20$ and $p = 3$, find the number of integers within the range $x..y$ and that are divisible by p .
Output: 5
- Display the sample data and its output in HTML **<h3>** format.
- Provide the screenshot and source code of your work.

RUBRICS FOR GRADING:

Category	Description
Program Execution (25pts)	Program executes correctly with no syntax or runtime errors.
Correctness (25pts)	Program produces correct answers or appropriate results for all inputs tested.
Completeness (25pts)	Program shows evidence of excellent case analysis, and all possible cases are handled appropriately.
Logic (25pts)	Program logic is correct, with no known boundary errors, and no redundant or contradictory conditions.



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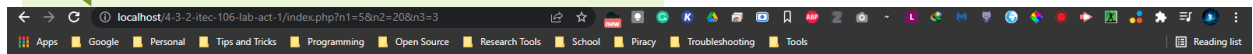
Name:

Date:

Course/Yr&Section:

Score:

SCREENSHOT



5

20

3

Submit

First number: 5

Second number: 20

Third number: 3

Total number of integers from 5 to 20 that are divisible by 3: 5

SOURCE CODE

```
<!-- index.php -->
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link href="style.css" rel="stylesheet">
  <title>BSIT 3-2 - ITEC 106 - Activity 2 - Amolat, Nommel Isanar Lavapie</title>
</head>
<body>
  <?php
    $n1 = $_REQUEST["n1"] ?? "";
    $n2 = $_REQUEST["n2"] ?? "";
    $n3 = $_REQUEST["n3"] ?? "";

    ?>

    <form action="index.php" method="GET">
      <input type="number" placeholder="First Number" name="n1" value="<?= $n1 ?>">
      <input type="number" placeholder="Second Number" name="n2" value="<?= $n2 ?>">
      <input type="number" placeholder="Third Number" name="n3" value="<?= $n3 ?>">
      <input type="submit" value="Submit">
    </form><!--
--><div>
  <?php
    if($n1 != "" and $n2 != "" and $n3 != "" and $n2 >= $n1) {
      $i = $n1;
      $total = 0;

      while($i != $n2) {
        if($i % $n3 == 0) {
          $total++;
        }

        $i++;
      }

      echo("<h3>First number: $n1</h3>");
      echo("<h3>Second number: $n2</h3>");
      echo("<h3>Third number: $n3</h3>");
      echo("<h3>Total number of integers from $n1 to $n2 that are divisible by $n3:
$total</h3>");
    }

    ?>
  </div>
</body>
</html>
```

```
/* style.css */
* {
  box-sizing: border-box;
  font-family: Arial, Helvetica, sans-serif;
```

```
}

body {
  margin: 0;
  padding: 0;
  width: 100vw;
  height: 100vh;
  line-height: 100vh;
}

form {
  text-align: right;
  vertical-align: middle;
  display: inline-block;
  width: 50%;
  padding: 10% 30px 10% 20%;
}

form > input {
  display: block;
  width: 100%;
  text-align: right;
  height: 50px;
}

form > input:not(:last-child) {
  margin-bottom: 20px;
  /* border-radius: 25px; */
  outline: none;
  border-style: none;
  border-bottom: 5px solid rgba(0, 128, 0, 0.521);
  font-size: 20px;
  text-align: center;
}

form > input:not(:last-child):focus {
  border-bottom-color: green;
}

form > input:last-child {
  font-size: 20px;
  text-align: center;
  border-radius: 25px;
  background-color: rgba(0, 128, 0, 0.521);
  color: white;
  border-style: solid;
  border-color: white;
}

form > input:last-child:focus, form > input:last-child:hover {
  background-color: green;
}

div {
  display: inline-block;
  width: 50%;
  vertical-align: middle;
}
```

```
h3 {  
  line-height: initial;  
}
```