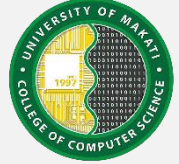# University of Makati
College of Computer Science

Web System and Technologies

UNIVERSITY OF MAKATI
College of Computer Science

Laboratory Exercise 5. Looping Statement

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Submitted to: Prof. Michael C. Olivo

Date of Submission: _____
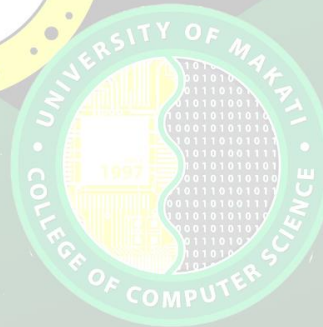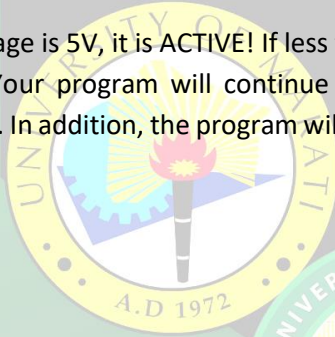
I. INTENDED LEARNING OUTCOMES

At the end of this exercise, students should be able to:

1. Learn what *loops* are in PHP.
2. Assess the *four kinds of loops* in PHP.
3. Construct a *program* using PHP conditional and looping statements.

II. ACTIVITY

CREATE A PHP PROGRAM THAT WILL:

1. Input 10 numbers and display the largest number among the input. Apply the use of for loop, while loop and do-while loop.
2. Your program will require to input the number of participants, as well as the age of each participant. Display how many are in minor, legal or senior citizen at the end of the program.
3. If the input voltage is 5V, it is ACTIVE! If less than 5V, it is CUTOFF. If greater than 5V, it is BREAKDOWN. Your program will continue to ask for input voltage until you enter a CUTOFF voltage. In addition, the program will terminate if there is a BREAKDOWN voltage input.

SOURCE CODE:

```html
<!DOCTYPE html>
<html>
<head>
    <title>Laboratory 5</title>
    <meta charset="utf-8">
            <meta name="viewport" content="width=device-width, initial-
scale=1.0, minimum-scale=1.0">
            <link rel="icon" type="image/x-icon" href="images/icon.png">
            <link rel="stylesheet" href="css/styles.css" />
    </head>
<body>
<div class="container">
    <h1> LABORATORY 5 </h1>
    <p>Looping Statement </p>
<div class="card">
    <a href="one.php"><div class="item item--1">
    <span class="quantity"> 1 </span>
    <span class="text text--1"> Find the Largest Number </span>
  </div></a>
    <a href="two.php"><div class="item item--2">
    <span class="quantity"> 2 </span>
        <span class="text text--2"> Participant Age Classification </span>
    </div></a>
    <a href="three.php"><div class="item item--3">
        <span class="quantity"> 3 </span>
        <span class="text text--3"> Voltage Status </span>
    </div></a>

</div>
</div>

</body>
</html>
```

```html
<!DOCTYPE html>
<html>
<head>
    <title>Laboratory 5 - One</title>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0,
minimum-scale=1.0">
    <link rel="icon" type="image/x-icon" href="images/icon.png">
    <link rel="stylesheet" href="css/one-style.css" />
</head>
<body>
<form class="one-form" method="POST" action="">
<div class="card-one">
    <br><span class="card__title">Five</span>
    <p class="card__content">Find the Largest Number</p>
    <label class="labels" for="numbers">Enter 10 numbers to know the
largest number among the input using loops</label>
    <div class="card__form">
        <div class="row">
            <div class="column">
                <?php
                for ($i = 1; $i <= 5; $i++) {
                    echo '<input class="input" name="numbers[]"
id="numberInput' . $i . '" onfocus="this.value=\'\'" placeholder="' . $i .
'" type="text" required >';
                }
                ?>
            </div>
            <div class="column">
            <?php
                for ($i = 6; $i <= 10; $i++) {
                    echo '<input class="input" name="numbers[]"
id="numberInput' . $i . '" onfocus="this.value=\'\'" placeholder="' . $i .
'" type="text" required >';
                }
                ?>
            </div>
        </div>

        <?php include 'php/one.php'?>

        <button class="btn" type="submit">Result</button><br>
    </div>
</div>
</form>
```

```html
<script>
    // Get all input elements by class name
    var inputs = document.getElementsByClassName("input");

    // Add an event listener to each input field for input validation
    for (var i = 0; i < inputs.length; i++) {
        inputs[i].addEventListener("input", function(event) {
            // Get the current input value
            var inputValue = event.target.value;

            // Use a regular expression to allow only numbers and spaces
            var cleanedValue = inputValue.replace(/[^0-9\s]/g, '');

            // Update the input field with the cleaned value
            event.target.value = cleanedValue;
        });
    }
</script>

</body>
</html>
```
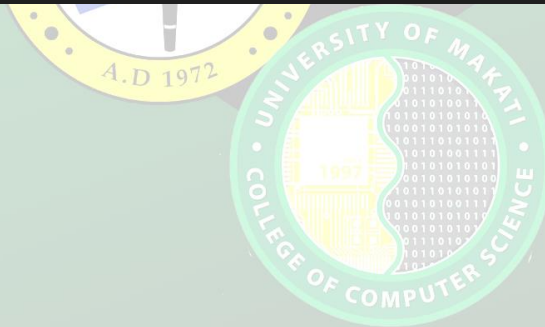
```php
<?php include 'php/two.php'?>

<!DOCTYPE html>
<html>
<head>
    <title>Laboratory 5 - Two</title>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0,
minimum-scale=1.0">
    <link rel="icon" type="image/x-icon" href="images/icon.png">
    <link rel="stylesheet" href="css/one-style.css" />
</head>
<body>
<form class="one-form" method="POST" action="two.php">
<div class="card">
    <br><span class="card__title">Five</span>
    <p class="card__content">Participant Age Classification</p>
    <label class="labels" for="numbers">Enter the Number of your
Participants</label>
    <div class="card__form">
        <input class="input"
        name="numParticipants"
        onfocus="this.value=''"
        type="number"
        id="numParticipants"
        required
        value="<?php echo $inputNumber; ?>"
        oninput="javascript: if (this.value.length > this.maxLength)
this.value = this.value.slice(0, this.maxLength);"
        maxlength = "1"
        min="1" max="5">

        <button class="btn" type="submit">Submit</button><br>
    </div>
</div>
</form>

<?php if ($_SERVER["REQUEST_METHOD"] == "POST" && isset($numParticipants)
&& $numParticipants > 0) : ?>
    <form class="one-form" method="POST">
    <div class="card-two">
    <br><span class="card__title">Five</span>
    <p class="card__content">Enter the Ages of the Participants</p>
    <div class="card__form">
        <?php for ($i = 1; $i <= $numParticipants; $i++) : ?>
```

```
            <label class="labels" for="age<?= $i ?>">Participant <?= $i ?>
Age:</label>
            <input class="input"
            oninput="javascript: if (this.value.length > this.maxLength)
this.value = this.value.slice(0, this.maxLength);"
            maxlength = "2"
            min="1" max="99"
            type="number"
            id="age<?= $i ?>"
            name="age<?= $i ?>"
            required><br>
        <?php endfor; ?>
        <p><b>Participant Age Categories</b></br>
        Total Participants: <b><?php echo $result_a; ?></b><br>
        Minors: <b><?php echo $result_b; ?></b><br>
        Legal Age Participants: <b><?php echo $result_c; ?></b><br>
        Senior Citizen: <b><?php echo $result_d; ?></b></p>
        <button class="btn" type="submit">Submit Age</button><br>
        </div>
    </form>
<?php endif; ?>

</body>
</html>
```

```html
<!DOCTYPE html>
<html>
<head>
    <title>Laboratory 5 - Three</title>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0,
minimum-scale=1.0">
    <link rel="icon" type="image/x-icon" href="images/icon.png">
    <link rel="stylesheet" href="css/one-style.css" />
</head>
<body>
<form class="one-form" method="POST" action="">
<div class="card">
    <br><span class="card__title">Five</span>
    <p class="card__content">Voltage Status</p>
    <label class="labels" for="numbers">If the input voltage is 5V, it is
ACTIVE! If less than 5V, it is CUTOFF. If greater than 5V, it is
BREAKDOWN</label>
    <div class="card__form">

    <input class="input"
    name="voltage"
    id="voltage"
    step="0.01"
    onfocus="this.value=''"
    type="number"
    oninput="javascript: if (this.value.length > this.maxLength)
this.value = this.value.slice(0, this.maxLength);"
    maxlength = "2"
    min="1"
    required>

    <?php include 'php/three.php'?>

        <button class="btn" type="submit">Result</button><br>
    </div>
</div>
</form>


</body>
</html>
```
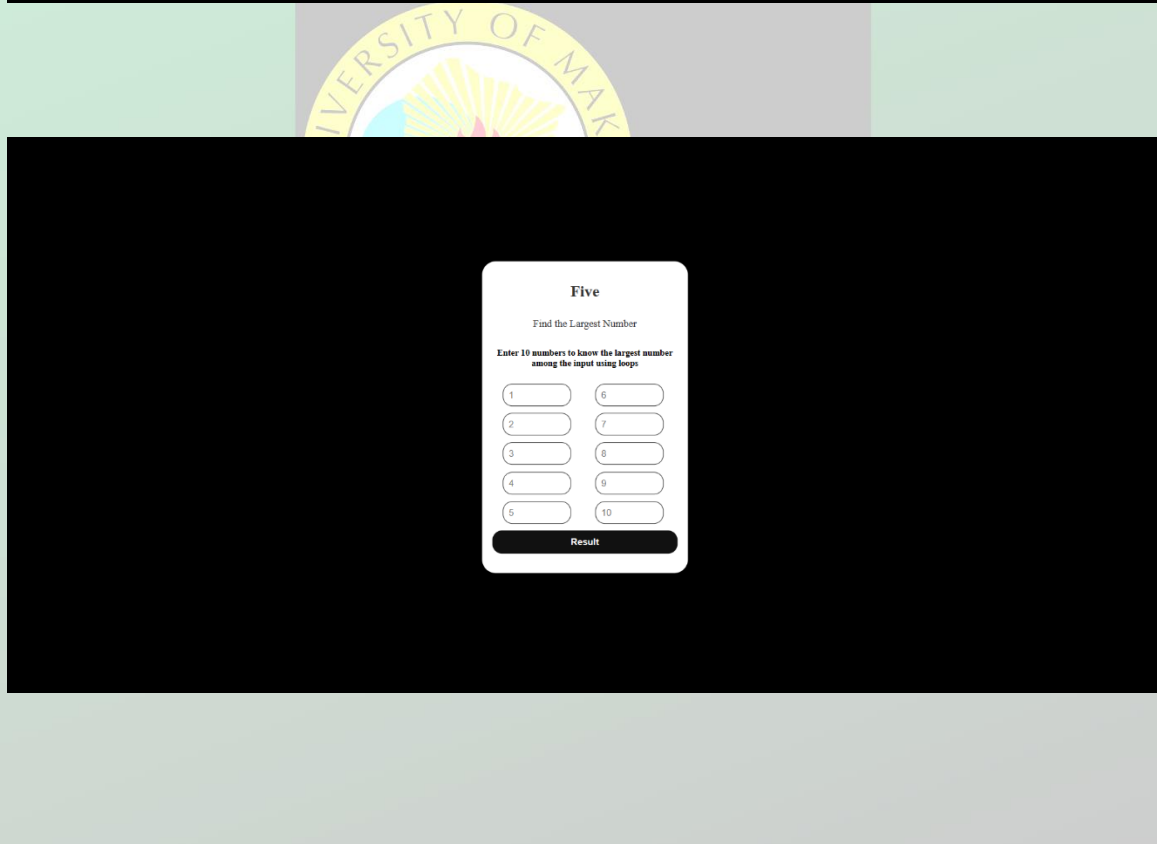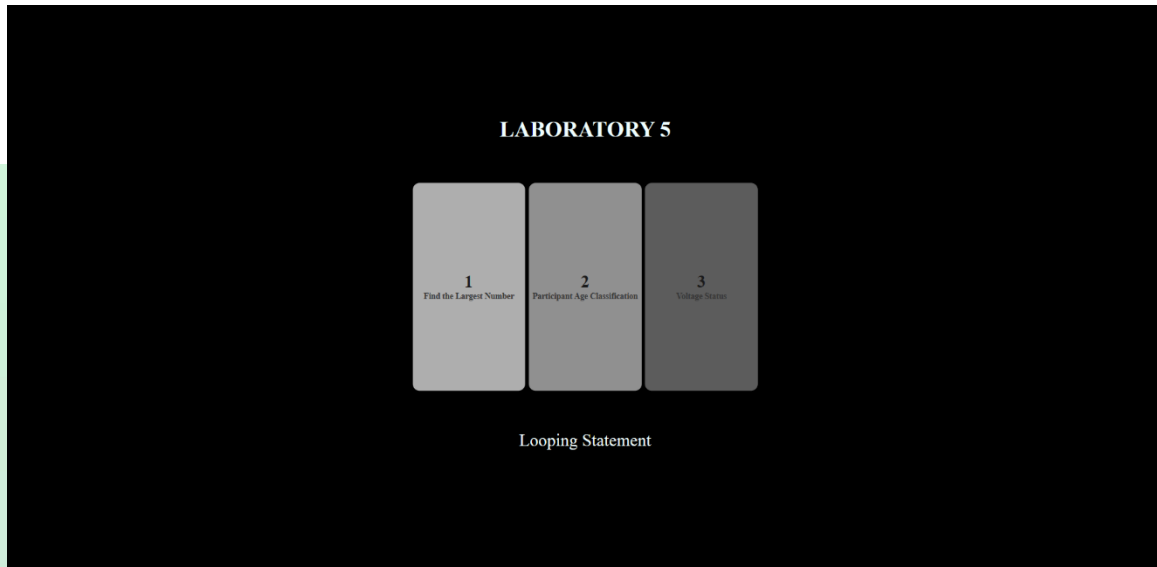
SCREENSHOTS:
INDEX

LABORATORY 5

| 1 | 2 | 3 |
| Find the Largest Number | Participant Age Classification | Voltage Status |

Looping Statement

Five

Find the Largest Number

Enter 10 numbers to know the largest number among the input using loops

1	6
2	7
3	8
4	9
5	10

Result

Five

Participant Age Classification

Enter the Number of your Participants

Submit

Five

Enter the Ages of the Participants

Participant 1 Age:

Participant 2 Age:

Participant 3 Age:

Participant Age Categories
Total Participants: **3**
Minors:
Legal Age Participants:
Senior Citizen:

Submit Age

Five

Voltage Status

If the input voltage is 5V, it is ACTIVE! If less than 5V, it is CUTOFF. If greater than 5V, it is BREAKDOWN

Result

III. CONCLUSION:

   In conclusion, the intended learning outcomes for this exercise revolve around equipping students with a comprehensive understanding of loops in PHP, enabling them to evaluate the four distinct types of loops in PHP, and empowering them to proficiently create programs using PHP's conditional and looping statements, all from my perspective.

IV. REFERENCE/s

RUBRICS:

Activity 1-3 Correct Output with no Errors	60%
Apply HTML Design	20%
Conclusion, Source Code, Screen Shot, and References	20%
	Total