LOYOLA ACADEMY

DEGREE & PG COLLEGE

OLD ALWAL, SECUNDERABAD - 500 010, TELANGANA, INDIA

An Autonomous Institution Affiliated to Osmania University

Re-accredited with 'A' Grade (III Cycle) by NAAC

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Practical Record

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This is to certify that this is a Bonafide record work done in ---------------------
practical during - ---year _____semester of the academic year 202- 202-

Name:

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Class:

Signature of Internal   Signature of HoD

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1. Basic HTML Tags

<!DOCTYPE html>

<html>

<head>

    <title>Basic HTML Tags</title>

</head>

<body>

    <h1>Welcome to HTML</h1>

    <p>This is a paragraph.</p>

    Bold Text | <i>Italic Text</i> | <u>Underlined Text</u>

</body>

</html>

OUTPUT:

1. Basic HTML Tags

Welcome to HTML

This is a paragraph.

Bold Text | *Italic Text* | <u>Underlined Text</u>

2. Different Types of Lists

```html
<!DOCTYPE html>
<html>
<head>
    <title>Types of Lists</title>
</head>
<body>
    <h2>Ordered List (Fruits)</h2>
    <ol>
        <li>Apple</li>
        <li>Banana</li>
        <li>Cherry</li>
    </ol>
    <h2>Unordered List (Animals)</h2>
    <ul>
        <li>Dog</li>
        <li>Cat</li>
        <li>Rabbit</li>
    </ul>
  <h2>Descriptive List (Web Technologies)</h2>
  <dl>
        <dt>HTML</dt>
        <dd>HyperText Markup Language</dd>
        <dt>CSS</dt>
        <dd>Cascading Style Sheets</dd>
        <dt>JavaScript</dt>
        <dd>A scripting language for web development</dd>
    </dl>
</body>
```

```
</html>
```

OUTPUT:

Ordered List (Fruits)

1. Apple
2. Banana
3. Cherry

Unordered List (Animals)

- Dog
- Cat
- Rabbit

Descriptive List (Web Technologies)

HTML
    HyperText Markup Language
CSS
    Cascading Style Sheets
JavaScript
    A scripting language for web development

3. Frames, Forms, and Table Creation

3.1 Frames (Main File)

```html
<!DOCTYPE html>
<html>
<head>
    <title>Frames Example</title>
</head>
<frameset cols="50%,50%">
    <frame src="form.html">
    <frame src="table.html">
</frameset>
</html>
```

3.2 Forms

```html
<!DOCTYPE html>
<html>
<head><title>Form</title></head>
<body>
    <form>
        Name: <input type="text"><br>
        Email: <input type="email"><br>
        <input type="submit">
    </form>
</body>
</html>
```

3.3 Tables

```html
<!DOCTYPE html>
<html>
<head><title>Table</title></head>
<body>
    <table border="1">
        <tr><th>Name</th><th>Age</th></tr>
```

```
            <tr><td>Alice</td><td>22</td></tr>

            <tr><td>Bob</td><td>25</td></tr>

        </table>

    </body>

    </html>
```

OUTPUT:

Name: [   ] | Name | Age |
                                   | Alice | 22 |
Email: [   ] | Bob | 25 |

[Submit]

4. Inline, External, and Embedded CSS

4.1 Inline CSS

<!DOCTYPE html>

<html>

```
<head><title>Inline CSS</title></head>

<body>

    <p style="color: blue; font-size: 18px;">This is an inline styled paragraph.</p>

</body>

</html>
```

4.2 Embedded CSS

```
<!DOCTYPE html>

<html>

<head>

    <title>Embedded CSS</title>

    <style>

        p { color: blue; font-size: 18px; }

    </style>

</head>

<body>

    <p>This is an internally styled paragraph.</p>

</body>

</html>
```

4.3 External CSS

style.css

```
p { color: blue; font-size: 18px; }
```

index.html

```
<!DOCTYPE html>

<html>

<head>

    <title>External CSS</title>

    <link rel="stylesheet" type="text/css" href="style.css">

</head>

<body>
```

<p>This is an externally styled paragraph.</p>
</body>
</html>

OUTPUT:

This is an externally styled paragraph.

This is an internally styled paragraph.

This is an inline styled paragraph.

5. Control Statements

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

```html
    <title>Control Structures in JavaScript</title>
</head>
<body>
    <h2>JavaScript Control Structures</h2>

    <!-- Buttons for each control structure -->
    <button onclick="whileLoopExample()">While Loop</button>
    <button onclick="doWhileLoopExample()">Do-While Loop</button>
    <button onclick="ifElseExample()">If-Else</button>
    <button onclick="switchCaseExample()">Switch Case</button>

    <!-- Input fields for If-Else and Switch Case -->
    <br><br>
    <label>Enter three numbers for If-Else:</label>
    <input type="number" id="num1" placeholder="Number 1">
    <input type="number" id="num2" placeholder="Number 2">
    <input type="number" id="num3" placeholder="Number 3">

    <br><br>
    <label>Enter a number (1-7) for Switch Case:</label>
    <input type="number" id="dayInput" placeholder="Day (1-7)">

    <!-- Output display -->
    <p id="output"></p>

    <script>
        // While Loop Example (Prints numbers 1 to 5)
        function whileLoopExample() {
            let i = 1;
```

```javascript
        let result = "While Loop: ";
        while (i <= 5) {
            result += i + " ";
            i++;
        }
        document.getElementById("output").innerText = result;
    }


    // Do-While Loop Example (Prints numbers 1 to 5)
    function doWhileLoopExample() {
        let i = 1;
        let result = "Do-While Loop: ";
        do {
            result += i + " ";
            i++;
        } while (i <= 5);
        document.getElementById("output").innerText = result;
    }


    // If-Else Example (Finds the largest of three numbers)
    function ifElseExample() {
        let num1 = parseFloat(document.getElementById("num1").value);
        let num2 = parseFloat(document.getElementById("num2").value);
        let num3 = parseFloat(document.getElementById("num3").value);

        if (isNaN(num1) || isNaN(num2) || isNaN(num3)) {
            document.getElementById("output").innerText = "Please enter all three
numbers.";
            return;
```

```javascript
    }


    let largest;
    if (num1 >= num2 && num1 >= num3) {
        largest = num1;
    } else if (num2 >= num1 && num2 >= num3) {
        largest = num2;
    } else {
        largest = num3;
    }


    document.getElementById("output").innerText = "Largest number: " + largest;
}


// Switch Case Example (Displays the day of the week)
function switchCaseExample() {
    let day = parseInt(document.getElementById("dayInput").value);
    let dayName;

    switch (day) {
        case 1: dayName = "Sunday"; break;
        case 2: dayName = "Monday"; break;
        case 3: dayName = "Tuesday"; break;
        case 4: dayName = "Wednesday"; break;
        case 5: dayName = "Thursday"; break;
        case 6: dayName = "Friday"; break;
        case 7: dayName = "Saturday"; break;
        default: dayName = "Invalid input! Enter a number between 1-7.";
    }
```

```
            document.getElementById("output").innerText = "Day: " + dayName;

        }

    </script>

</body>

</html>
```

OUTPUT:

JavaScript Control Structures

| While Loop | Do-While Loop | If-Else | Switch Case |

Enter three numbers for If-Else: [Number 1] [Number 2]
[Number 3]

Enter a number (1-7) for Switch Case: [Day (1-7)]

6. Functions & Arrays

```
<!DOCTYPE html>

<html>

<body>

    <script>

        function greet(name) {

            return "Hello, " + name + "!";

        }


        let names = ["Alice", "Bob", "Charlie"];
```

```
        document.write(greet(names[1])); // Output: Hello, Bob!
    </script>
</body>
</html>
```

OUTPUT:

Hello, Bob!

7. XML Document

```
<?xml version="1.0" encoding="UTF-8"?>
<hotel>
    <menu>
        <item>
            <name>Pizza</name>
            <price>10.99</price>
        </item>
        <item>
            <name>Burger</name>
```

```
            <price>5.99</price>

        </item>

    </menu>

</hotel>
```

OUTPUT:

```xml
<?xml version="1.0" encoding="UTF-8"?>
<hotel>
    <menu>
        <item>
            <name>Pizza</name>
            <price>10.99</price>
        </item>
        <item>
            <name>Burger</name>
            <price>5.99</price>
        </item>
    </menu>
</hotel>
```

Pizza 10.99 Burger 5.99

8. DTD and XML

8.1 DTD File

menu.dtd

```
<!ELEMENT menu (item+)>

<!ELEMENT item (name, price)>

<!ELEMENT name (#PCDATA)>

<!ELEMENT price (#PCDATA)>
```

8.2 XML File

menu.xml

```xml
<?xml version="1.0" encoding="UTF-8"?>

<!DOCTYPE menu SYSTEM "menu.dtd">

<menu>
```

```
<item>

    <name>Pasta</name>

    <price>12.99</price>

</item>
```

`</menu>`

OUTPUT:

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE menu SYSTEM "menu.dtd">
<menu>
    <item>
        <name>Pasta</name>
        <price>12.99</price>
    </item>
</menu>
```

Pasta 12.99

9. Control Statements in PHP

```html
<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Control Structures in PHP</title>

</head>

<body>

    <h2>PHP Control Structures</h2>


    <form method="POST">

        <!-- While Loop -->
```

```html
    <input type="submit" name="whileLoop" value="While Loop">


    <!-- Do-While Loop -->
    <input type="submit" name="doWhileLoop" value="Do-While Loop">


    <!-- If-Else -->
    <br><br>
    <label>Enter three numbers for If-Else:</label>
    <input type="number" name="num1" placeholder="Number 1">
    <input type="number" name="num2" placeholder="Number 2">
    <input type="number" name="num3" placeholder="Number 3">
    <input type="submit" name="ifElse" value="Find Largest">


    <!-- Switch Case -->
    <br><br>
    <label>Enter a number (1-7) for Switch Case:</label>
    <input type="number" name="dayInput" placeholder="Day (1-7)">
    <input type="submit" name="switchCase" value="Get Day">
</form>

<p>
<?php
    // While Loop Example (Prints numbers 1 to 5)
    if (isset($_POST['whileLoop'])) {
        $i = 1;
        echo "While Loop: ";
        while ($i <= 5) {
            echo $i . " ";
            $i++;
```

```php
    }
}


// Do-While Loop Example (Prints numbers 1 to 5)
if (isset($_POST['doWhileLoop'])) {
    $i = 1;
    echo "Do-While Loop: ";
    do {
        echo $i . " ";
        $i++;
    } while ($i <= 5);
}


// If-Else Example (Finds the largest of three numbers)
if (isset($_POST['ifElse'])) {
    $num1 = $_POST['num1'];
    $num2 = $_POST['num2'];
    $num3 = $_POST['num3'];

    if ($num1 == "" || $num2 == "" || $num3 == "") {
        echo "Please enter all three numbers.";
    } else {
        $largest = max($num1, $num2, $num3);
        echo "Largest number: " . $largest;
    }
}


// Switch Case Example (Displays the day of the week)
if (isset($_POST['switchCase'])) {
```

```php
        $day = $_POST['dayInput'];
        switch ($day) {
            case 1: echo "Day: Sunday"; break;
            case 2: echo "Day: Monday"; break;
            case 3: echo "Day: Tuesday"; break;
            case 4: echo "Day: Wednesday"; break;
            case 5: echo "Day: Thursday"; break;
            case 6: echo "Day: Friday"; break;
            case 7: echo "Day: Saturday"; break;
            default: echo "Invalid input! Enter a number between 1-7.";
        }
    }
    ?>
</p>
</body>
</html>
```

OUTPUT:

PHP Control Structures

[While Loop] [Do-While Loop]

Enter three numbers for If-Else: [Number 1] [Number 2]
[Number 3] [Find Largest]

Enter a number (1-7) for Switch Case: [Day (1-7)] [Get Day]

10. PHP Arrays & Functions

10.1 Function in PHP

```php
<?php
function greet($name) {
    return "Hello, $name!";
}
?>
```

10.2 Using Arrays with Functions

```php
<?php
$names = array("John", "Jane", "Doe");
echo greet($names[0]); // Output: Hello, John!
?>
```

OUTPUT:

```php
<?php
function greet($name) {
    return "Hello, $name!";
$names = array("John", "Jane", "Doe");
echo greet($names[0]); // Output: Hello, John!

}
?>
```