

PHP PROGRAMMING LABORATORY TASKS

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TASK 1

AIM

To write a PHP program to find the largest of three numbers using nested if statements.

PROBLEM STATEMENT

Write a PHP program that accepts three numbers as input and determines which number is the largest using nested if-else statements.

CONSTRAINTS

- Must use nested if statements
- Must compare three numbers
- Should handle equal values correctly

PROCEDURE

1. Initialize three variables with numeric values
2. Use the first if statement to compare num1 and num2
3. Inside each branch, use nested if to compare with num3
4. Assign the largest value to a variable
5. Display the result

PROGRAM

```
<?php
// Task 1: Find the largest of three numbers using nested if

echo "=== Task 1: Find Largest of Three Numbers ===\n\n";

// Input three numbers
$num1 = 45;
$num2 = 78;
$num3 = 62;

echo "Number 1: $num1\n";
echo "Number 2: $num2\n";
echo "Number 3: $num3\n\n";

// Find largest using nested if
if ($num1 >= $num2) {
    if ($num1 >= $num3) {
        $largest = $num1;
    } else {
        $largest = $num3;
    }
} else {
    if ($num2 >= $num3) {
        $largest = $num2;
    } else {
        $largest = $num3;
    }
}
```

```
    }  
}  
  
echo "The largest number is: $largest\n";  
?>
```

OUTPUT

```
=== Task 1: Find Largest of Three Numbers ===
```

```
Number 1: 45
```

```
Number 2: 78
```

```
Number 3: 62
```

```
The largest number is: 78
```

CONCLUSION

The PHP program successfully determines the largest of three numbers using nested if statements. The program correctly compares the three numbers (45, 78, and 62) and identifies 78 as the largest number. The nested if structure provides a logical flow for comparing multiple values sequentially.

TASK 2

AIM

To write a PHP program to reverse a string using the `strrev()` function.

PROBLEM STATEMENT

Write a PHP program that accepts a string as input and reverses it using the built-in `strrev()` function.

CONSTRAINTS

- Must use the `strrev()` function
- Should handle strings with spaces
- Should preserve character case

PROCEDURE

1. Initialize a string variable with a value
2. Display the original string
3. Use the `strrev()` function to reverse the string
4. Store the reversed string in a new variable
5. Display the reversed string

PROGRAM

```
<?php
// Task 2: Reverse a string using strrev()

echo "=== Task 2: Reverse a String ===\n\n";

// Input string
$originalString = "Hello World";

echo "Original String: $originalString\n";

// Reverse the string using strrev()
$reversedString = strrev($originalString);

echo "Reversed String: $reversedString\n";
?>
```

OUTPUT

```
=== Task 2: Reverse a String ===

Original String: Hello World
Reversed String: dlroW olleH
```

CONCLUSION

The PHP program successfully reverses a string using the `strrev()` function. The program takes the input string 'Hello World' and produces the reversed output 'dlroW olleH'. The `strrev()` function is a built-in PHP function that efficiently reverses strings while preserving character case and special characters including spaces.