**Course: Software Construction & Development**

**Course ID: CSCL-2126**

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**Lecture # 4**

**Topics Covered:**

1. Php Basics
2. Fibonacci Sequence + Prime Number Task
3. Presentation assignment

**Code Reference:**

<?php

$age = 25;

if ($age < 18) {

echo "You are a minor.";

} else if ($age >= 18 && $age < 65) {

echo "You are an adult.";

} else {

echo "You are a senior citizen.";

}

?>

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<?php

$day = "Monday";

switch ($day) {

case "Monday":

echo "It's the beginning of the workweek.";

break;

case "Friday":

echo "It's almost the weekend!";

break;

default:

echo "It's just another day.";

}

?>

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<?php

$age = 25;

$message = (($age >= 18) ? "You are an adult." : "You are a minor.");

echo $message;

?>

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function add($num1, $num2) {

$sum = $num1 + $num2;

return $sum;

}

$result = add(5, 3);

echo "The sum is: " . $result; // Output: The sum is: 8

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<?php

function isPrime($num)

{

if ($num == 1)

return false;

for ($i = 2; $i <= $num/2; $i++)

{

if ($num % $i == 0)

return false;

}

return true;

}

function sumFibonacciWithoutPrimes($n) {

$sum = 0;

$fib = [0, 1];

for ($i = 2; $i <= $n; $i++) {

$nextFib = $fib[$i - 1] + $fib[$i - 2];

echo "fib is : " . $nextFib . "\n";

if (!isPrime($nextFib)) {

$sum += $nextFib;

}

$fib[] = $nextFib;

}

return $sum;

}

$n = 6; // Change this to the desired number of Fibonacci terms

$result = sumFibonacciWithoutPrimes($n);

echo "Sum of Fibonacci numbers up to the $n-th term (excluding primes): $result";

?>