## Indian Institute of Information Technology Surat

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# Lab Report on

# Web Engineering (CS 603) Practical

**Submitted by**

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## Lab No: 3

**Aim: PHP**

**Description:** Perform all the 7 Tasks:

1. Write the PHP script to display all the details of web server using phpinfo()

2. Write a program to check student grade based on the marks using if-else statements.

Conditions:

* If marks are 60% or more, the grade will be First Division.
* If marks between 45% to 59%, grade will be Second Division.
* If marks between 33% to 44%, grade will be Third Division.
* If marks are less than 33%, students will be Fail.

3. Write a program to calculate factorial of a number using a for loop in PHP.

4. Write a PHP program to find the factorial of a number using a recursive function.

5. Write a program to calculate Electricity bill in PHP

Conditions:

* For first 50 units – Rs. 3.50/unit
* For next 100 units – Rs. 4.00/unit
* For next 100 units – Rs. 5.20/unit
* For units above 250 – Rs. 6.50/unit

6. Write a program in PHP to remove specific element by value from an array using PHP

program.

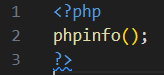
Instructions:

* Take an array with a list of month names.
* Take a variable with the name of value to be deleted.
* Implement it using PHP array\_search(), array\_diff() functions and foreach loop.

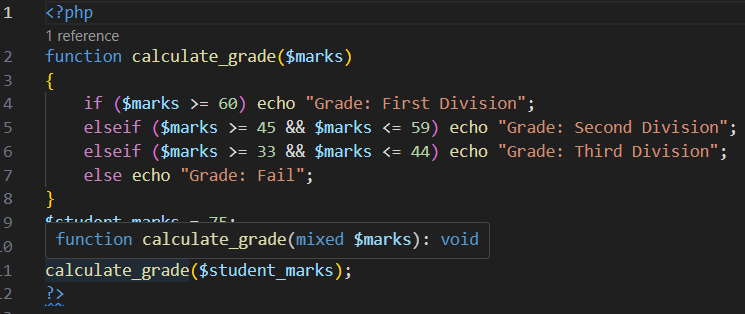
7. Write a PHP script to generate a list of the first 20 prime numbers.

## Source Code:

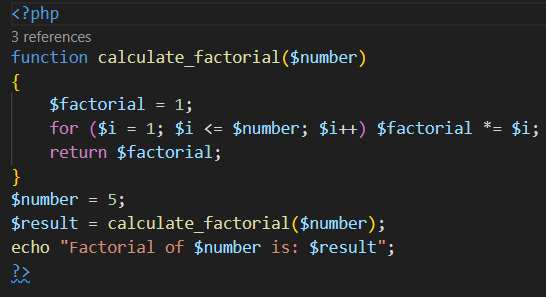
**Task 1:**

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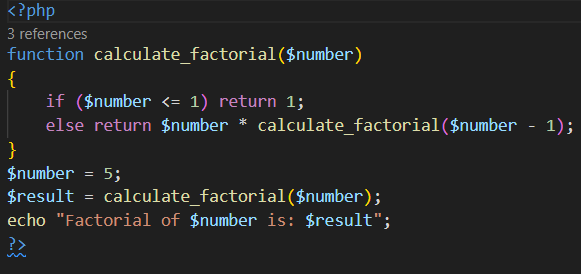
**Task 2:**

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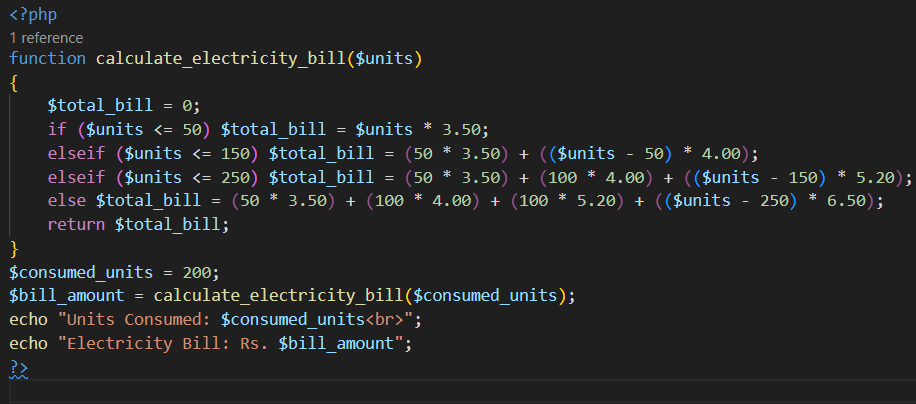
**Task 3:**

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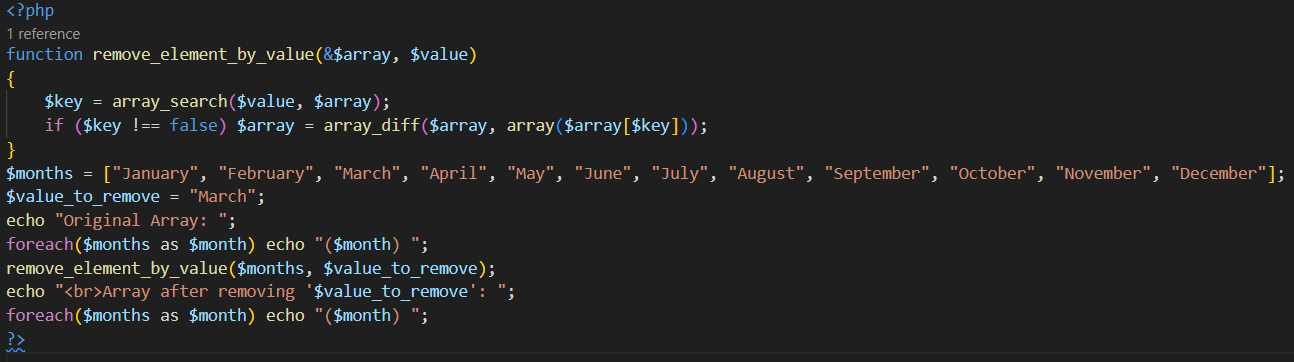
**Task 4:**

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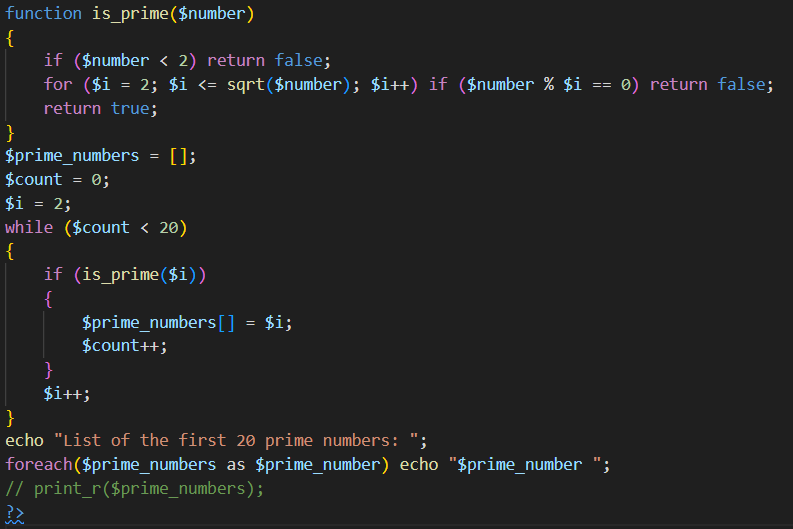
**Task 5:**

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**Task 6:**

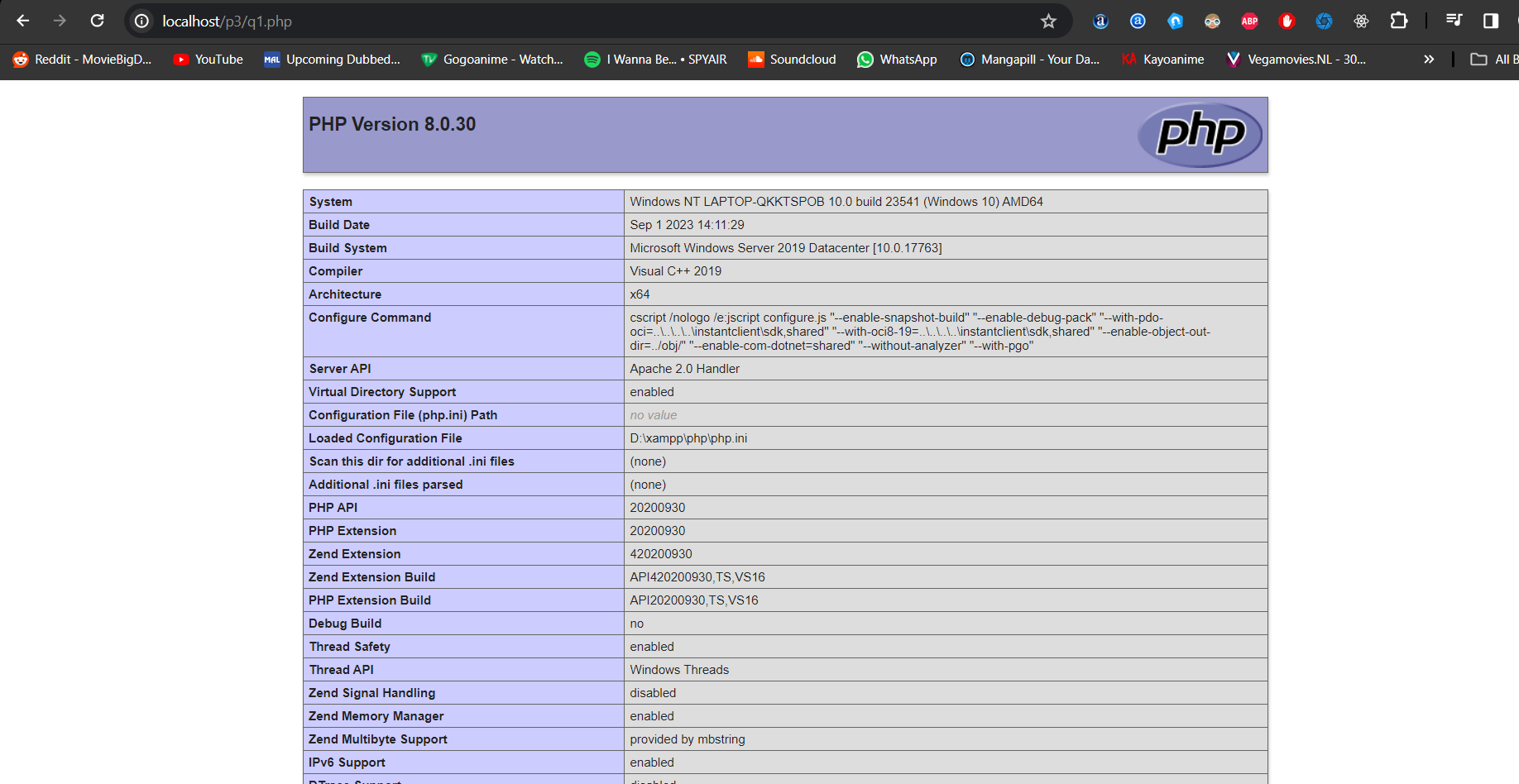
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**Task 7:**

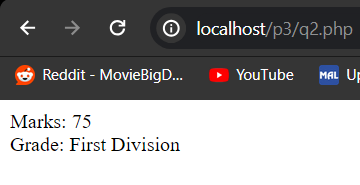
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## Output:

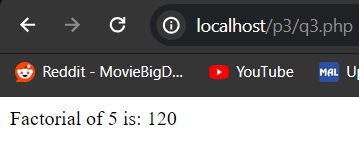
**Task 1:**

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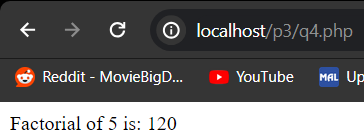
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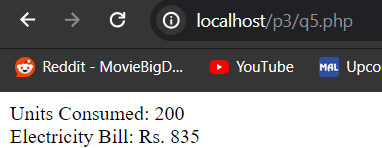
**Task 3:**

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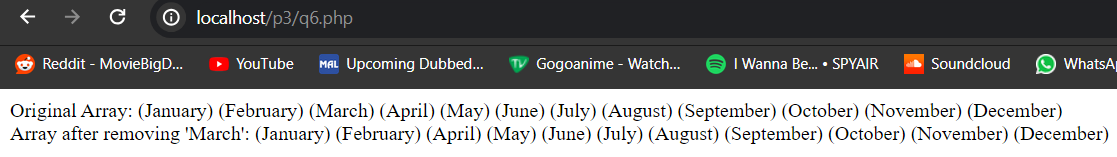
**Task 4:**

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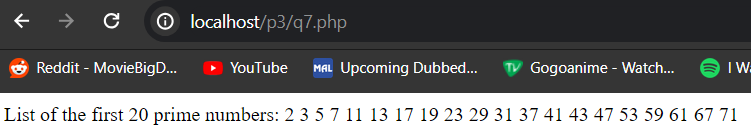
**Task 5:**

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**Task 6:**

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**Task 7:**

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## Conclusion:

* PHP enables dynamic web development with embedded code in HTML.
* PHP efficiently calculates factorial recursively, reducing redundancy.
* PHP program computes electricity bills with tiered rates, applying conditional logic for accurate billing.