



The screenshot shows a Windows desktop environment with Microsoft Visual Studio Code (VS Code) open in the foreground. The code editor displays a C++ file named `lab08_task2.cpp`. The terminal below the editor shows the execution of the program, which prompts the user to enter a number that is a multiple of 5 or 7. The user enters 5 and 7, both of which are identified as valid. The user then enters 3, which is identified as not being a multiple of 5 or 7.

```
#include <iostream>
using namespace std;
int main() {
    int num;

    while(true) {
        cout<<"Enter a number (multiple of 5 or 7): ";
        cin>>num;
        if(num % 5 == 0 || num % 7 == 0) {
            cout<<num << " valid." << endl;
        } else {
            cout<<num<< "is not a multiple of 5 or 7." << endl;
            break;
        }
    }
    return 0;
}
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

(`$?`) { g++ lab08_task2.cpp -o lab08_task2 } ; if (`$?`) { .\lab08_task2 }

Enter a number (multiple of 5 or 7): 5

5 valid.

Enter a number (multiple of 5 or 7): 7

7 valid.

Enter a number (multiple of 5 or 7): 3

3is not a multiple of 5 or 7.

PS C:\Users\ESHOP\Documents\.vscode\.

In 15, Col 6 Spaces: 4 UTF-8 CRLF {} C++ Win32

Type here to search

A screenshot of the Microsoft Visual Studio Code (VS Code) interface. The main area shows a C++ code editor with the file `lab08_task3.cpp` open. The code calculates the sum of even numbers from 100 to 200. The terminal below shows the command to compile and run the program, resulting in the output `7650`.

```
#include<iostream>
using namespace std;
int main() {
    int sum = 0;
    for(int i=100; i<=200; i+=2)
    {
        sum=sum+i;
    }
    cout<<sum;
}
return 0;
```

The terminal output is:

```
PS C:\Users\ESHOP\Documents\.vscode> cd "c:\Users\ESHOP\Documents\.vscode\.\vscode\" ; if ($?) { g++ lab08_task3.cpp -o lab08_task3 } ; if ($?) { .\lab08_task3 }
7650
PS C:\Users\ESHOP\Documents\.vscode\.\vscode>
```

System tray icons include a colorful castle, file, mail, settings, and a speech bubble with a '3'.