

FileEditSelectionViewGoRunTerminalHelp1.cpp · Visual Studio Code

1.cppM X

D: > OODP > OOPS_week_Assignment > OOPS_5 > C- 1.cpp > main()

You, 13 seconds ago | 2 authors (BishalDe and others)

//Write a program to print the names of students by creating a Student class. If no name is passed while creating an object of the Student class, then the name should be

1

2

3#include <iostream>

4using namespace std;

5class Student{

6public:

7Student(){

8cout<<"Your Name is : Unknown"<<endl;

9}

10Student(string s){

11cout<<"Your Name is : "<<s<<endl;

12}

13};

14int main(){

15Student n1,n2("Aditya");

16return 0;

17}

18

PROBLEMS1

OUTPUT

DEBUG CONSOLE

TERMINAL

GITLENS

SQL CONSOLE

JUPYTER

Code+ - + - ^ x

> cd "d:\OODP\OOPS_week_Assignment\OOPS_5\" ; if (\$?) { g++ 1.cpp -o 1 } ; if (\$?) { .\1 }

Your Name is : Unknown

Your Name is : Aditya

PS D:\OODP\OOPS_week_Assignment\OOPS_5>

master*

0 0 0 1

Connect

Live Share

Cloud Code

Select a Google Cloud project

Reconnect to Discord

Ln 15, Col 29

Spaces: 4

UTF-8

CRLF

C++

Go Live

1 Spell

Win32

Prettier

30°C

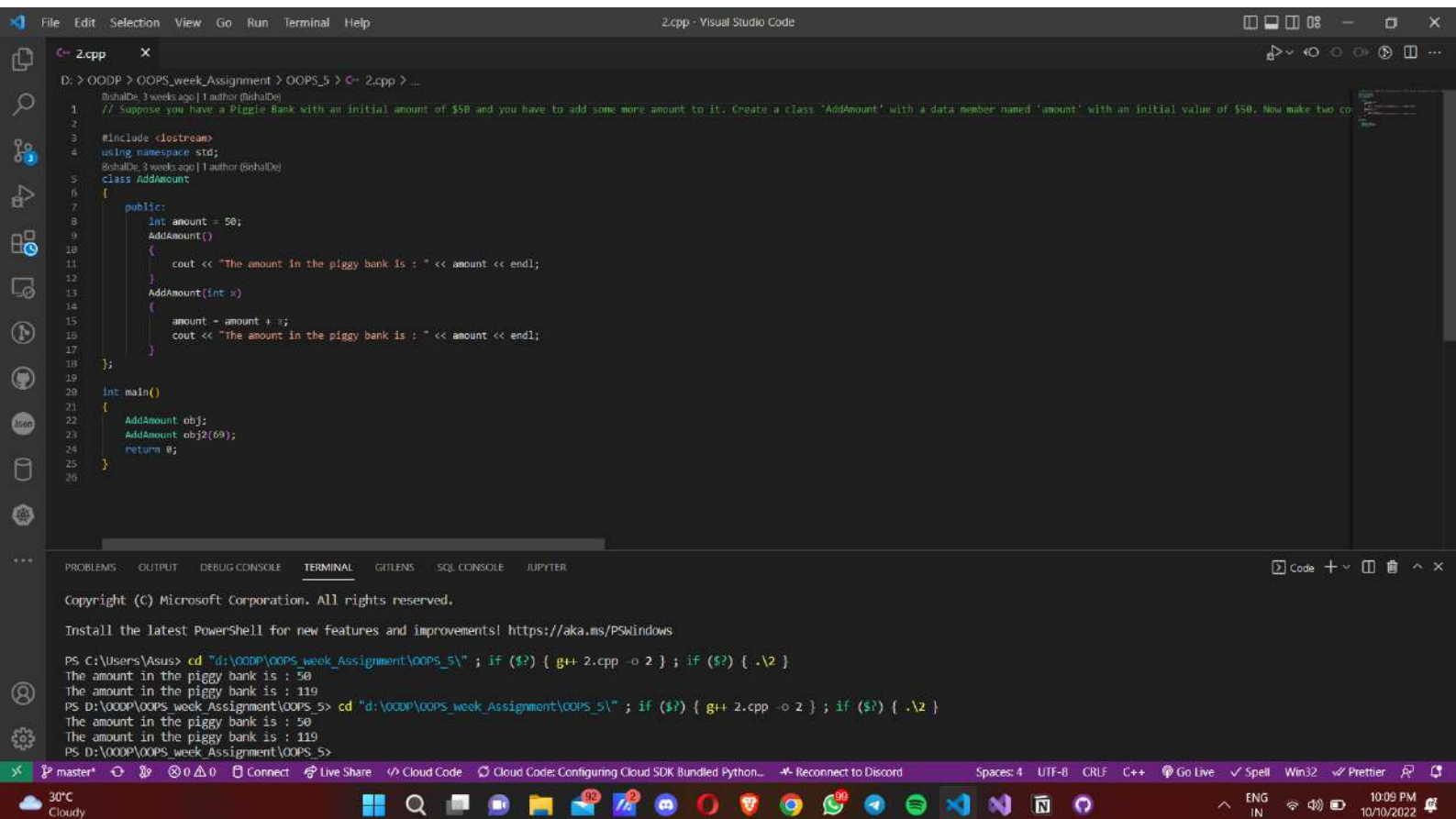
Cloudy

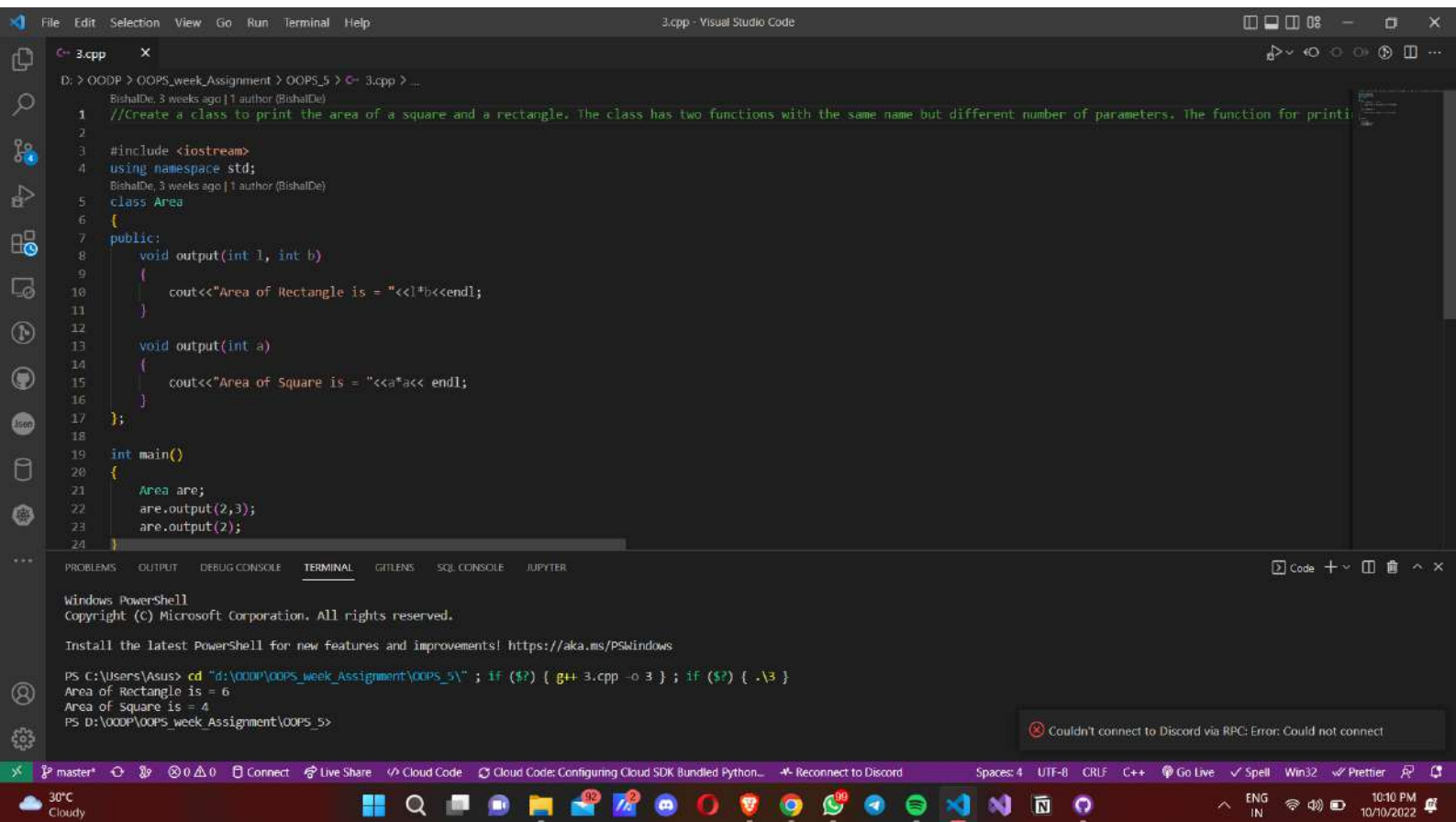
ENG

IN

10:08 PM

10/10/2022





Visual Studio Code interface showing a C++ file named 5.cpp and a terminal window.

5.cpp:

```
1 // create a class 'degree' having a function 'getdegree' that prints "I got a degree". It has two subclasses namely 'undergraduate' and 'postgraduate' each having a function with the same name that prints "I am an undergraduate" and "I am a postgraduate" respectively. call the function 'getdegree' in the main function.
2 #include <iostream>
3 using namespace std;
4
5 // create a class 'degree'
6 class degree
7 {
8 public:
9     degree()
10     {
11         cout << "I got a degree." << endl;
12     }
13 };
14 // create a class 'undergraduate'
15 class undergraduate : public degree
16 {
17 public:
18     undergraduate()
19     {
20         cout << "I am an undergraduate" << endl;
21     }
22 };
23 // create a class 'postgraduate'
24 class postgraduate : public degree
25 {
26 public:
27     postgraduate()
28     {
29         cout << "I am a postgraduate" << endl;
30     }
31 };
32
33 int main()
34 {
35     undergraduate up;
36     postgraduate pg;
37 }
```

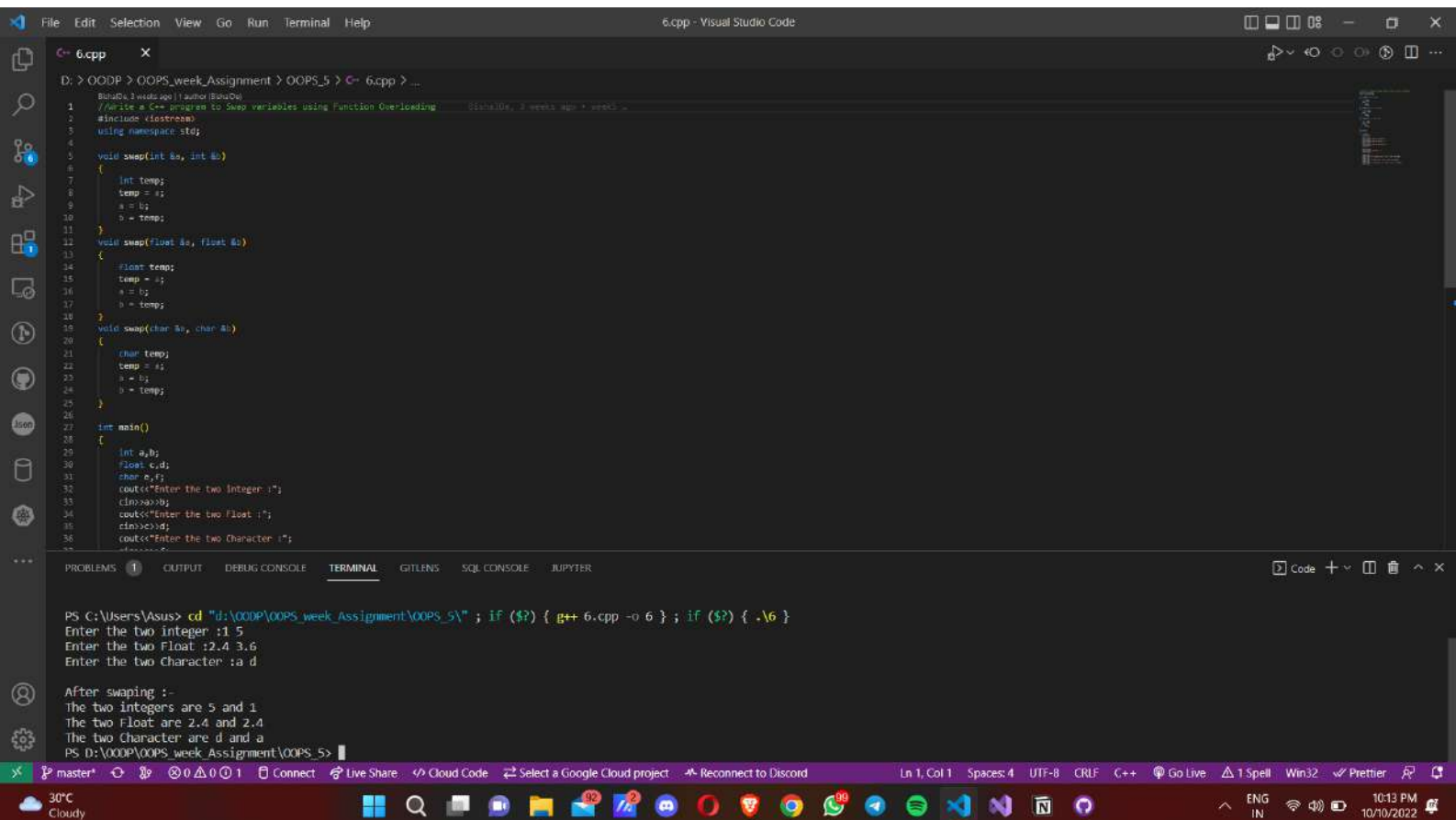
Terminal:

```
Windows PowerShell
Copyright (c) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\Asus> cd "d:\OOPS\OOPS_week_Assignment\OOPS_5"; if ($?) { g++ 5.cpp -o 5 }; if ($?) { .\5 }
I got a degree.
I am an Undergraduate
I got a degree.
I am a Postgraduate
PS D:\OOPS\OOPS_week_Assignment\OOPS_5>
```

Taskbar: 30°C Cloudy, 10:11 PM 10/10/2022



Visual Studio Code interface showing a C++ program for checking palindromes using function overloading. The code is in 7.cpp and includes headers for iostream, string, and string.h. It defines a Palindrome class with methods get(), isPalindrome(), and isPalindrome(string). The main function uses these methods to check if the number 16461 and the string 'abcdcba' are palindromes.

```
1 //Write a c++ program to check palindrome using function overloading.
2
3 #include <iostream>
4 #include <string>
5 #include <bits/stdc++.h>
6 using namespace std;
7
8 //Date: 1 month ago | 1 month (Default)
9 class Palindrome{
10 private:
11     int num;
12     string s;
13 public:
14     void get();
15     void isPalindrome();
16     void isPalindrome(string);
17 }
18
19 void Palindrome::get(){
20     cout<<"Enter the number for palindrome : ";
21     cin>>num;
22     cout<<"Enter the string for Palindrome : ";
23     cin>>s;
24 }
25
26 void Palindrome::isPalindrome(){
27     string P = s;
28     reverse(P.begin(), P.end());
29     if(P == s){
30         cout<<"It is a palindrome";
31     }
32     else {
33         cout<<"It is not a palindrome";
34     }
35 }
36
37 void Palindrome::isPalindrome(string s){
38     int n1,result,a;
39     n1=s;
40     result=0;
41     while(s>>0)
42     {
43         result = (result*10) + s%10;
44         s/=10;
45     }
46     if(n1==result)
47         cout<<"It is a palindrome";
48     else
49         cout<<"It is not a palindrome";
50 }
```

Terminal output:

```
Windows PowerShell
Copyright (c) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\Asus> cd "d:\OOPS\OOPS_week_Assignment\OOPS_5" ; if ($?) { g++ 7.cpp -o 7 } ; if ($?) { .\7 }
Enter The Number For Palindrome : 16461
It is Palindrome
Enter the string for Palindrome : abcdcba
It is a palindrome
PS D:\OOPS\OOPS_week_Assignment\OOPS_5>
```

Visual Studio Code status bar shows: master, 2 commits, Connect, Live Share, Cloud Code, Select a Google Cloud project, Reconnect to Discord, Ln 1, Col 1, Spaces: 4, UTF-8, CRLF, C++, Go Live, Spell, Win32, Prettier.

1. **Introduction:** The document discusses the importance of maintaining accurate records of all transactions, including sales, purchases, and expenses, for financial reporting and tax purposes. It emphasizes the need for a systematic approach to record-keeping and the use of appropriate accounting methods.

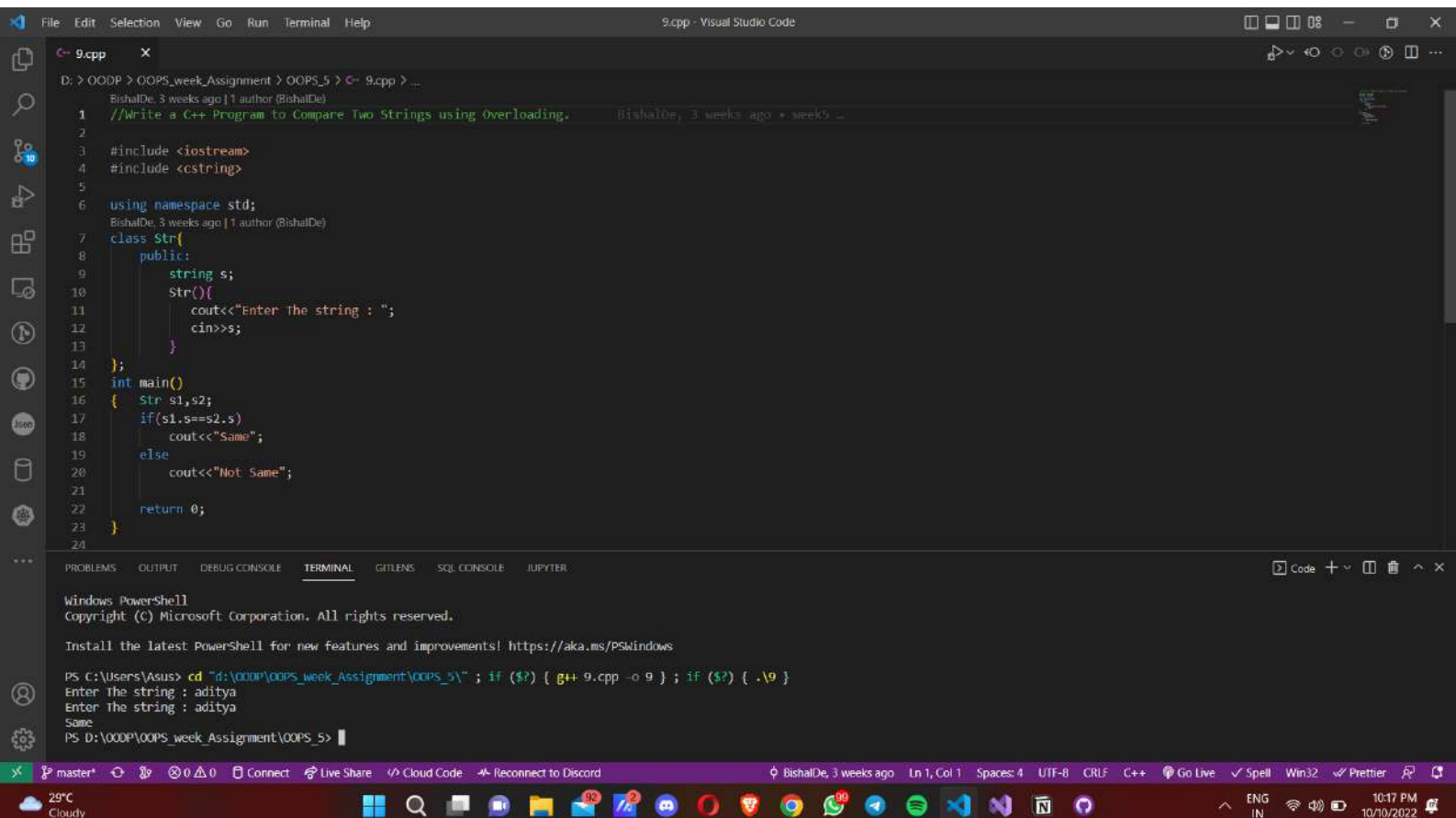
2. **Record-Keeping Requirements:** The document outlines the specific requirements for maintaining records, including the need to retain records for a minimum of seven years. It also discusses the importance of keeping records in a clear, organized, and accessible format, such as using a ledger or accounting software.

3. **Accounting Methods:** The document discusses the different accounting methods available, including the cash method and the accrual method. It explains the differences between these methods and the implications for financial reporting and tax treatment.

4. **Financial Reporting:** The document discusses the importance of preparing accurate financial statements, including the balance sheet, income statement, and cash flow statement. It emphasizes the need for transparency and accuracy in reporting financial information to stakeholders.

5. **Tax Implications:** The document discusses the tax implications of various transactions and the importance of keeping accurate records to support tax reporting. It also discusses the need to consult with a tax professional for advice on tax planning and compliance.

6. **Conclusion:** The document concludes by reiterating the importance of maintaining accurate records and the need for a systematic approach to record-keeping. It emphasizes that accurate records are essential for making informed financial decisions and ensuring compliance with applicable laws and regulations.



File Edit Selection View Go Run Terminal Help 10.cpp - Visual Studio Code

C++ 10.cpp X

D:\> OODP > OOPS_week_Assignment > OOPS_5 > C++ 10.cpp > ...

```
1 // Write a C++ Program with three different function with same name to find the sum of digits using function overloading.
2
3 #include <iostream>
4 using namespace std;
5 // Write a C++ Program with three different function with same name to find the sum of digits using function overloading.
6 class digit
7 {
8 public:
9     int r, s = 0, number;
10     int sod()
11     {
12         cout << "Enter a number : " << endl;
13         cin >> number;
14         return number;
15     }
16     int sod(int a, int n)
17     {
18         while (n > 0)
19         {
20             r = n % 10;
21             s = s + r;
22             n = n / 10;
23         }
24         return s;
25     }
26     int sod(int sum)
27     {
28         return sum;
29     }
30 };
31 int main()
32 {
33     int a, b, c;
34     digit obj1;
35     a = obj1.sod();
36     b = obj1.sod(a, 10);
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL GITLENS SQL CONSOLE JUPYTER

Windows PowerShell
Copyright (c) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! <https://aka.ms/PSWindows>

PS C:\Users\Asus> cd "D:\OODP\OOPS_week_Assignment\OOPS_5" ; if (\$?) { g++ 10.cpp -o 10 } ; if (\$?) { .\10 }
Enter a number :
1 2
THE SUM OF THE DIGIT IS: 1
PS D:\OODP\OOPS_week_Assignment\OOPS_5>

master* 0 0 0 Connect Live Share Cloud Code Select a Google Cloud project Reconnect to Discord Ln 1, Col 1 Spaces: 4 UTF-8 CRLF C++ Go Live Spell Win32 Prettier

29°C Cloudy 10:19 PM 10/10/2022