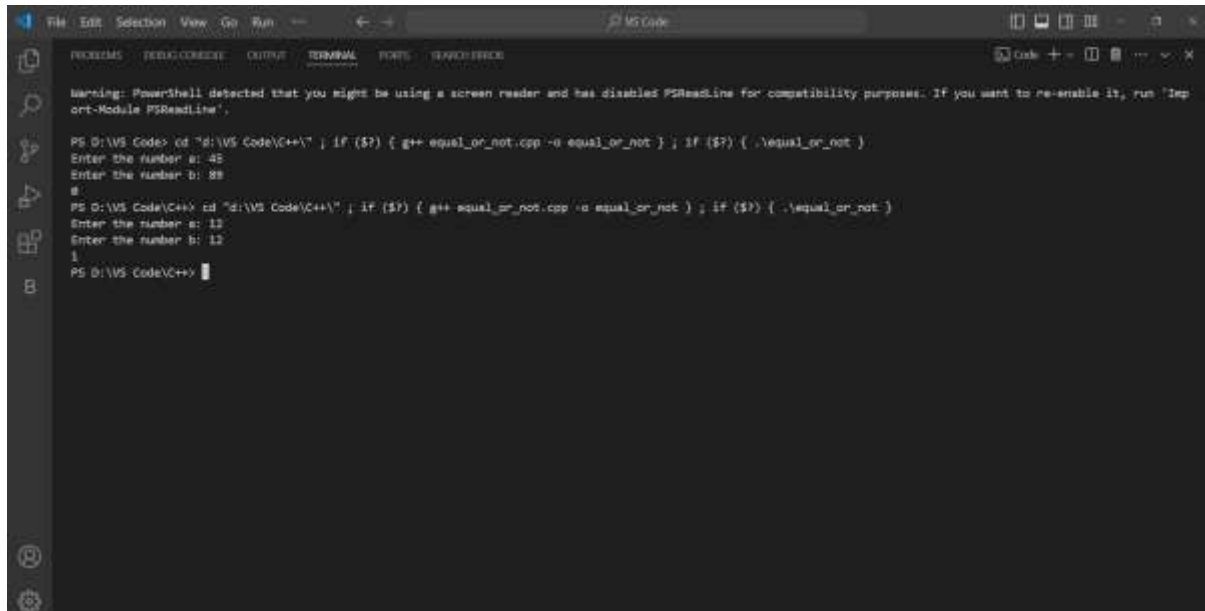


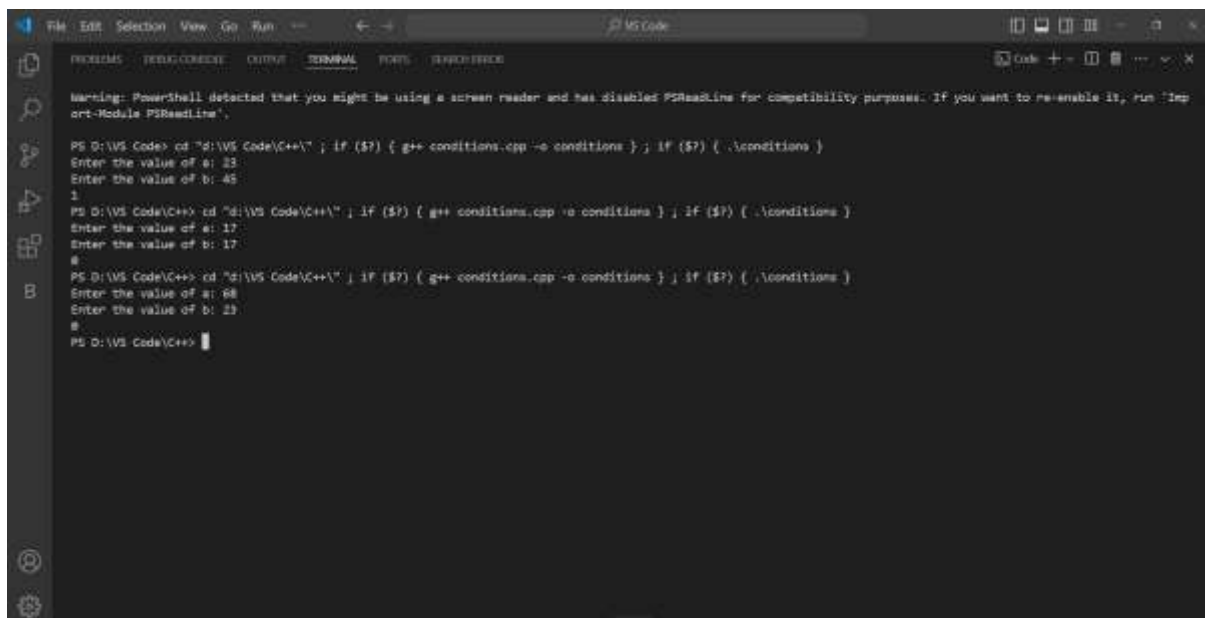
C++ Operators Assignment Questions

Q1. Q1 - Write a program to check whether two numbers (entered by user) are equal or not.



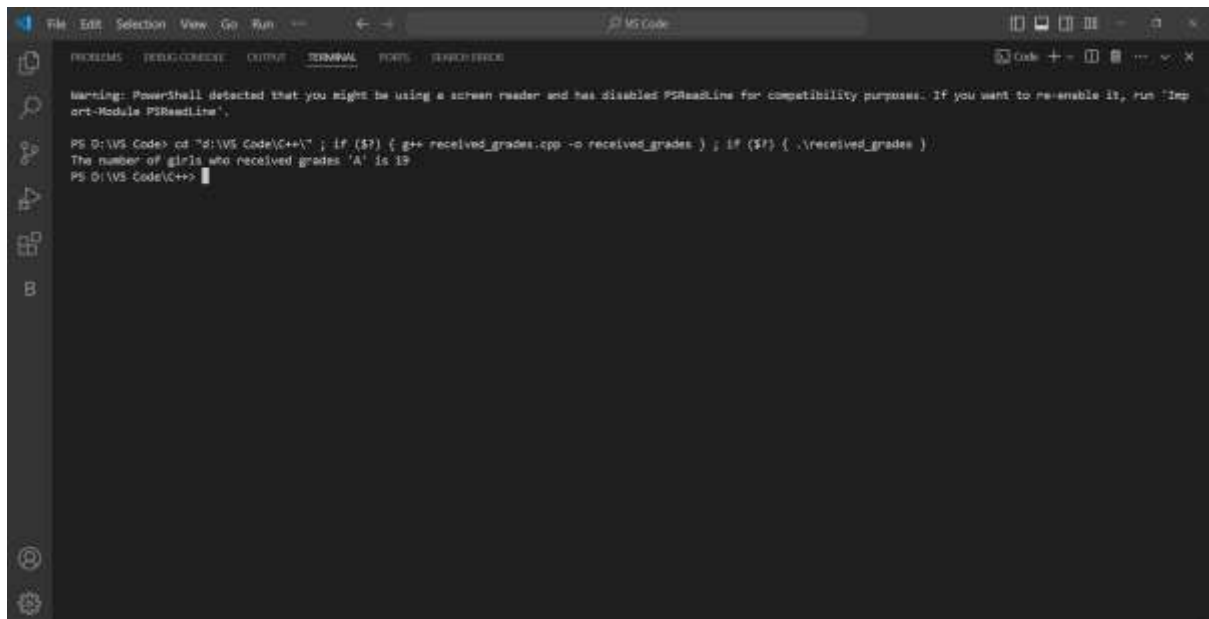
```
PS D:\VS Code> cd "d:\VS Code\C++\" ; if ($?) { g++ equal_or_not.cpp -o equal_or_not } ; if ($?) { .\equal_or_not }
Warning: PowerShell detected that you might be using a screen reader and has disabled PSReadLine for compatibility purposes. If you want to re-enable it, run 'Import-Module PSReadLine'.
Enter the number a: 45
Enter the number b: 88
#
PS D:\VS Code\C++> cd "d:\VS Code\C++\" ; if ($?) { g++ equal_or_not.cpp -o equal_or_not } ; if ($?) { .\equal_or_not }
Enter the number a: 11
Enter the number b: 11
1
PS D:\VS Code\C++>
```

Q2. Q2 - Write a program to take the values of two variables a and b from the keyboard and then check if both the conditions 'a < 50' and 'a < b' are true.



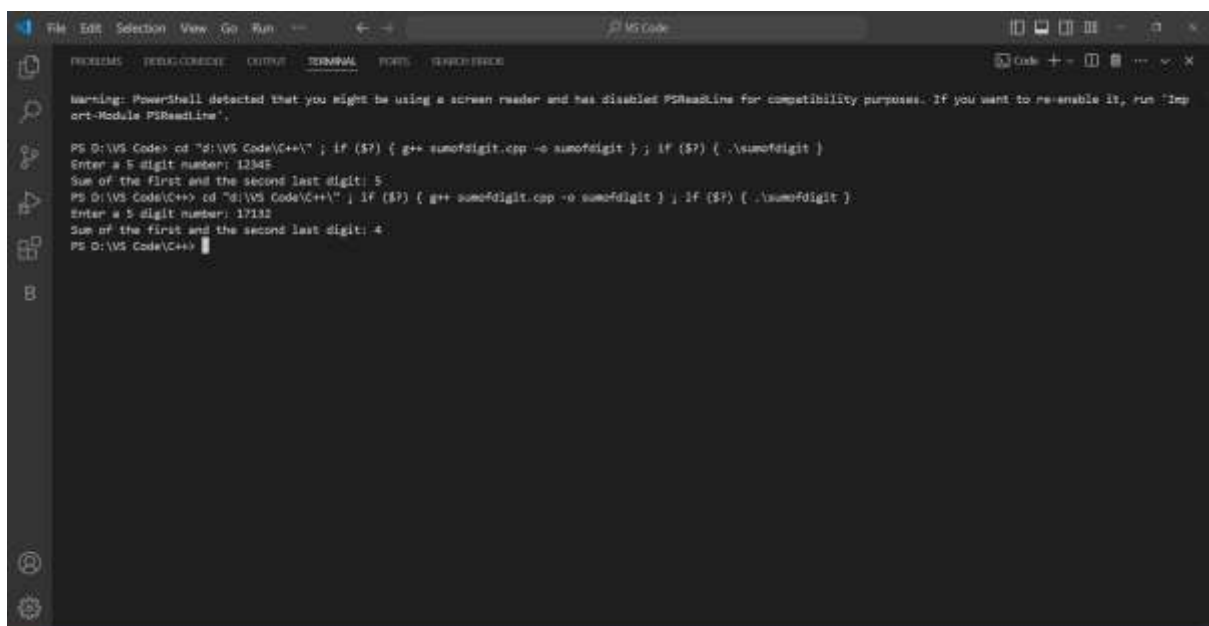
```
PS D:\VS Code> cd "d:\VS Code\C++\" ; if ($?) { g++ conditions.cpp -o conditions } ; if ($?) { .\conditions }
Warning: PowerShell detected that you might be using a screen reader and has disabled PSReadLine for compatibility purposes. If you want to re-enable it, run 'Import-Module PSReadLine'.
Enter the value of a: 23
Enter the value of b: 45
1
PS D:\VS Code\C++> cd "d:\VS Code\C++\" ; if ($?) { g++ conditions.cpp -o conditions } ; if ($?) { .\conditions }
Enter the value of a: 17
Enter the value of b: 17
#
PS D:\VS Code\C++> cd "d:\VS Code\C++\" ; if ($?) { g++ conditions.cpp -o conditions } ; if ($?) { .\conditions }
Enter the value of a: 68
Enter the value of b: 23
#
PS D:\VS Code\C++>
```

Q3. There are 45 total pupils in the class, 25 of whom are boys. Write a program to find how many girls received grades "A" if 17 boys made up 80% of the students that received grades "A".



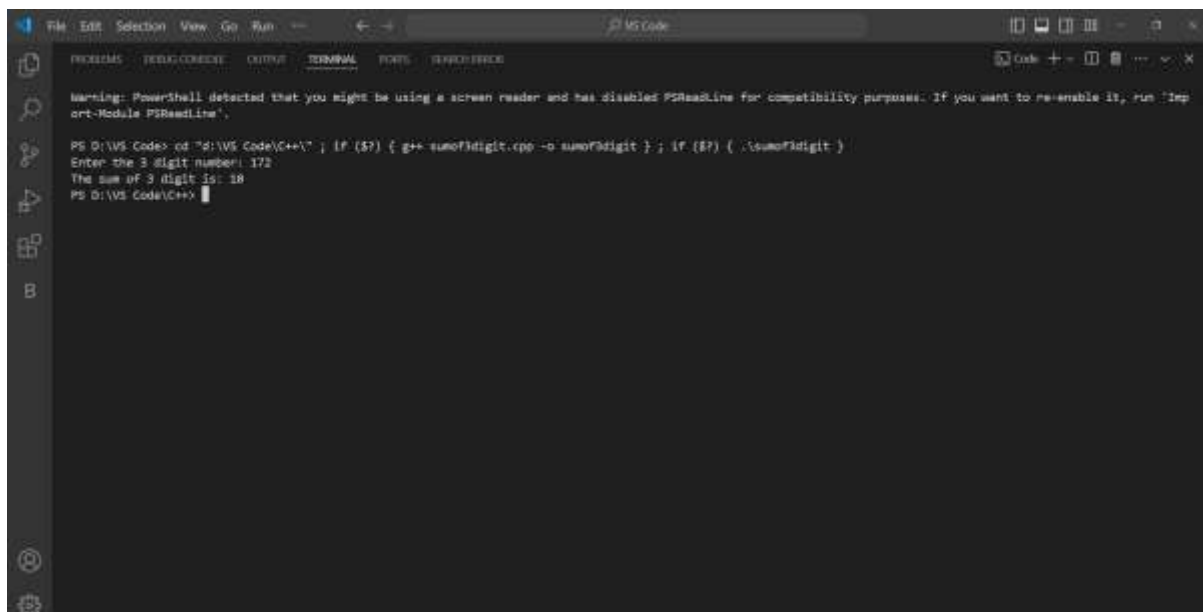
```
File Edit Selection View Go Run <--> VS Code
PROBLEMS DEBUG CONSOLE OUTPUT TERMINAL PORTS TEST RUNNER
Warning: PowerShell detected that you might be using a screen reader and has disabled PSReadline for compatibility purposes. If you want to re-enable it, run 'Import-Module PSReadline'.
PS D:\VS Code> cd "d:\VS Code\C++\" ; if ($?) { g++ received_grades.cpp -o received_grades } ; if ($?) { .\received_grades }
The number of girls who received grades 'A' is 19
PS D:\VS Code\C++>
```

Q4. Write a program to calculate the sum of the first and the second last digit of a 5-digit number.



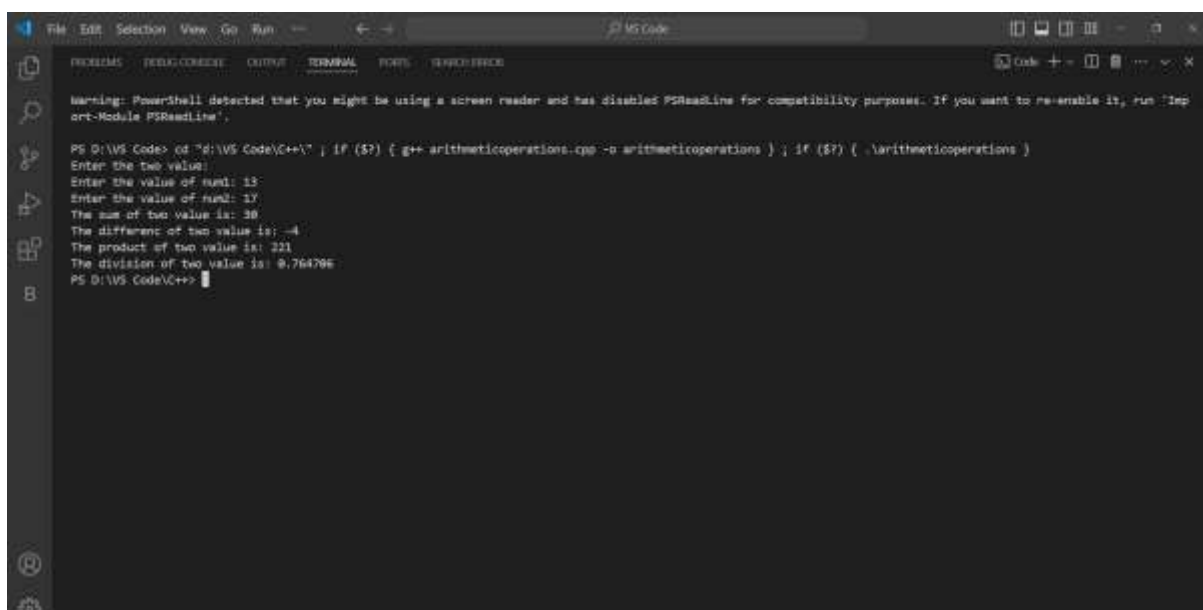
```
File Edit Selection View Go Run <--> VS Code
PROBLEMS DEBUG CONSOLE OUTPUT TERMINAL PORTS TEST RUNNER
Warning: PowerShell detected that you might be using a screen reader and has disabled PSReadline for compatibility purposes. If you want to re-enable it, run 'Import-Module PSReadline'.
PS D:\VS Code> cd "d:\VS Code\C++\" ; if ($?) { g++ sumofdigit.cpp -o sumofdigit } ; if ($?) { .\sumofdigit }
Enter a 5 digit number: 12345
Sum of the first and the second last digit: 5
PS D:\VS Code\C++> cd "d:\VS Code\C++\" ; if ($?) { g++ sumofdigit.cpp -o sumofdigit } ; if ($?) { .\sumofdigit }
Enter a 5 digit number: 17132
Sum of the first and the second last digit: 4
PS D:\VS Code\C++>
```

Q5. Write a program to calculate the sum of digits of a 3-digit number.



```
File Edit Selection View Go Run ...  
PROBLEMS DEBUG CONSOLE OUTPUT TERMINAL PORTS SEARCH INDEX  
Warning: PowerShell detected that you might be using a screen reader and has disabled PSReadline for compatibility purposes. If you want to re-enable it, run 'Import-Module PSReadline'.  
PS D:\VS Code> cd "d:\VS Code\C++\" ; if ($?) { g++ sumof3digit.cpp -o sumof3digit }; if ($?) { .\sumof3digit }  
Enter the 3 digit number: 172  
The sum of 3 digit is: 10  
PS D:\VS Code\C++>
```

Q6. Design a calculator to perform basic arithmetic operations (+,-,/,*,%).



```
File Edit Selection View Go Run ...  
PROBLEMS DEBUG CONSOLE OUTPUT TERMINAL PORTS SEARCH INDEX  
Warning: PowerShell detected that you might be using a screen reader and has disabled PSReadline for compatibility purposes. If you want to re-enable it, run 'Import-Module PSReadline'.  
PS D:\VS Code> cd "d:\VS Code\C++\" ; if ($?) { g++ arithmeticoperations.cpp -o arithmeticoperations }; if ($?) { .\arithmeticoperations }  
Enter the two value:  
Enter the value of num1: 13  
Enter the value of num2: 17  
The sum of two value is: 30  
The difference of two value is: -4  
The product of two value is: 221  
The division of two value is: 0.764706  
PS D:\VS Code\C++>
```