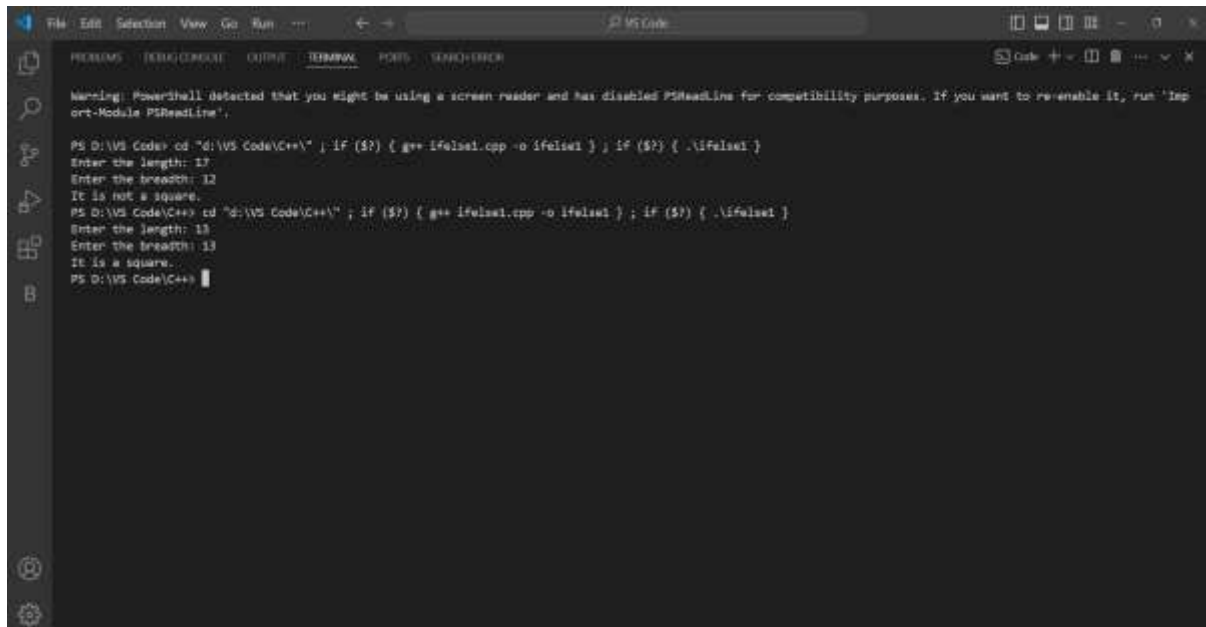


C++ Conditionals Assignment Questions Output

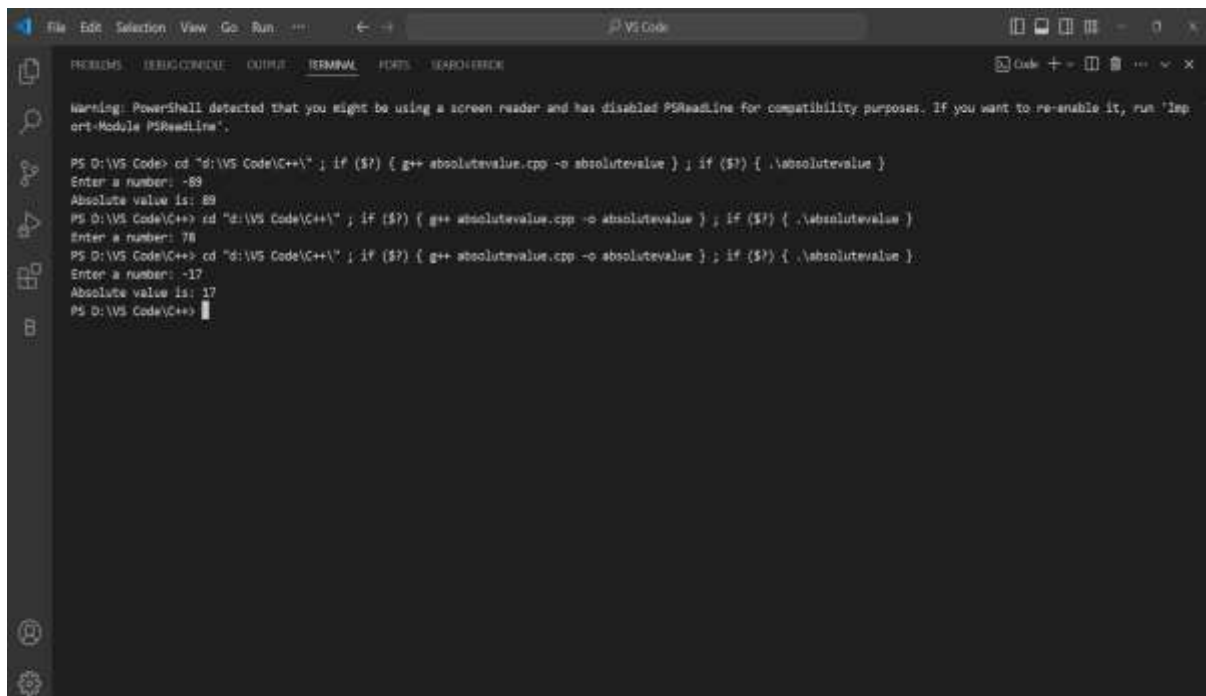
Q1 - Write a program which takes the values of length and breadth from user and check if it is a square or not.



```
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'.

PS D:\VS Code> cd "d:\VS Code\C++\" ; if ($?) { g++ ifelse1.cpp -o ifelse1 } ; if ($?) { .\ifelse1 }
Enter the length: 17
Enter the breadth: 12
It is not a square.
PS D:\VS Code\C++> cd "d:\VS Code\C++\" ; if ($?) { g++ ifelse1.cpp -o ifelse1 } ; if ($?) { .\ifelse1 }
Enter the length: 13
Enter the breadth: 13
It is a square.
PS D:\VS Code\C++> 
```

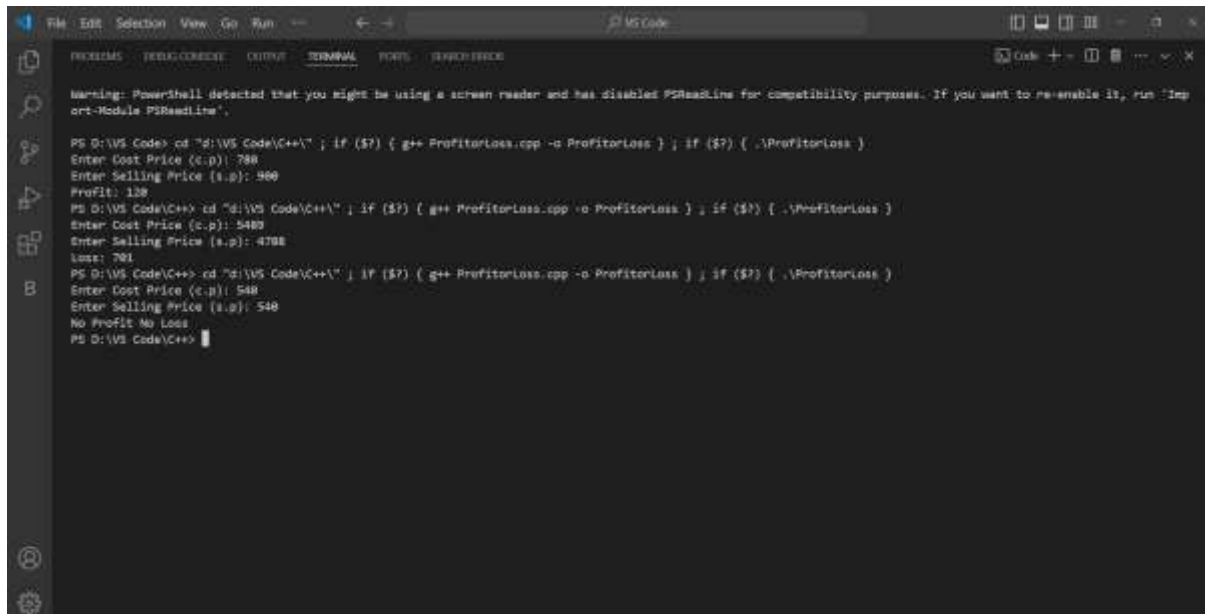
Q2 - Write a program to print absolute value of a number entered by the user.



```
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'.

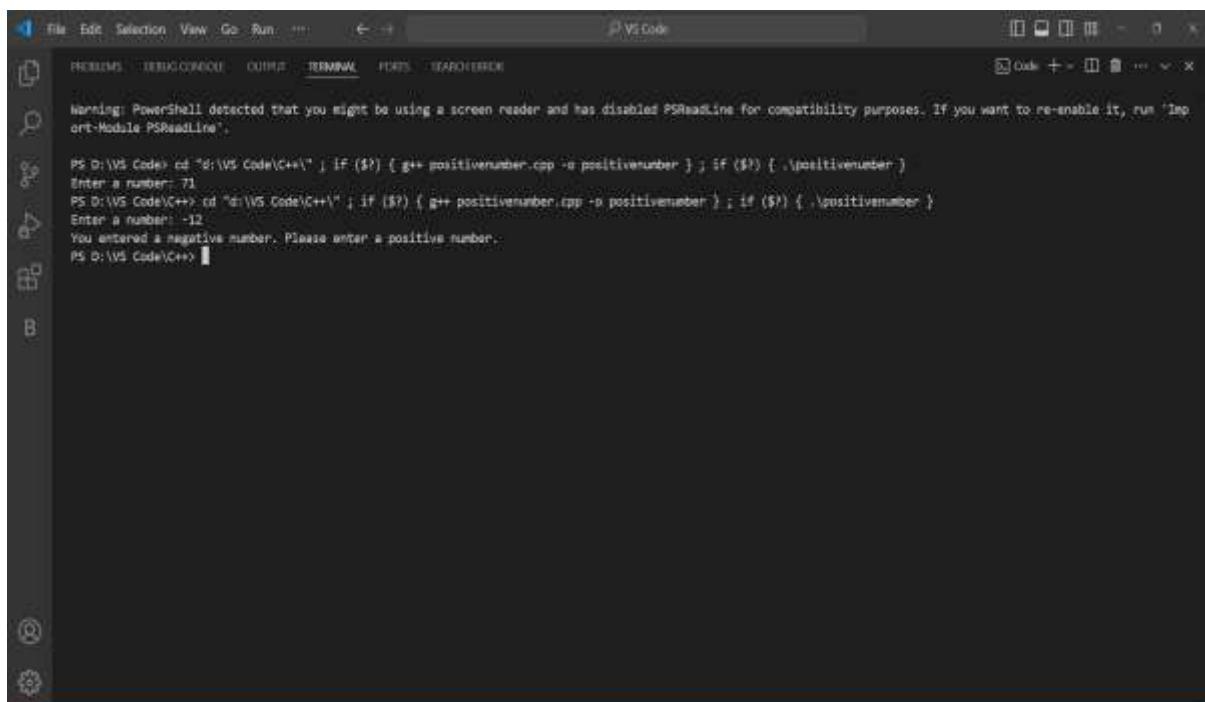
PS D:\VS Code> cd "d:\VS Code\C++\" ; if ($?) { g++ absolutevalue.cpp -o absolutevalue } ; if ($?) { .\absolutevalue }
Enter a number: -89
Absolute value is: 89
PS D:\VS Code\C++> cd "d:\VS Code\C++\" ; if ($?) { g++ absolutevalue.cpp -o absolutevalue } ; if ($?) { .\absolutevalue }
Enter a number: 78
Absolute value is: 78
PS D:\VS Code\C++> cd "d:\VS Code\C++\" ; if ($?) { g++ absolutevalue.cpp -o absolutevalue } ; if ($?) { .\absolutevalue }
Enter a number: -17
Absolute value is: 17
PS D:\VS Code\C++> 
```

Q3- Write a program to take input from user for Cost Price (C.P.) and Selling Price (S.P.) and calculate Profit or Loss.



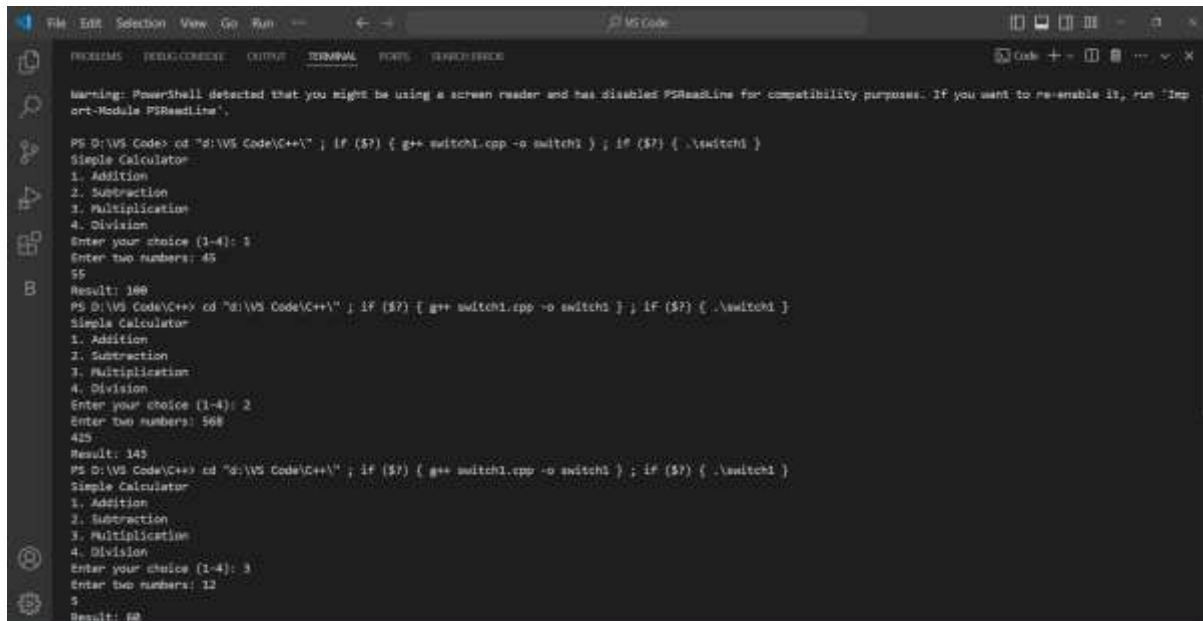
```
File Edit Selection View Go Run ...  
PROBLEMS DEBUG CONSOLE OUTPUT TERMINAL PORTS SEARCH INDEX  
Warning: PowerShell detected that you might be using a screen reader and has disabled PSReadLine for compatibility purposes. If you want to re-enable it, run 'Import-Module PSReadLine'.  
  
PS D:\VS Code> cd "d:\VS Code\C++\" ; if ($?) { g++ ProfitLoss.cpp -o ProfitLoss } ; if ($?) { .\ProfitLoss }  
Enter Cost Price (c.p): 788  
Enter Selling Price (s.p): 900  
Profit: 112  
PS D:\VS Code\C++> cd "d:\VS Code\C++\" ; if ($?) { g++ ProfitLoss.cpp -o ProfitLoss } ; if ($?) { .\ProfitLoss }  
Enter Cost Price (c.p): 5489  
Enter Selling Price (s.p): 4788  
Loss: 701  
PS D:\VS Code\C++> cd "d:\VS Code\C++\" ; if ($?) { g++ ProfitLoss.cpp -o ProfitLoss } ; if ($?) { .\ProfitLoss }  
Enter Cost Price (c.p): 548  
Enter Selling Price (s.p): 548  
No Profit No Loss  
PS D:\VS Code\C++>
```

Q4- Write a program to print positive number entered by the user, if user enters a negative number, it is skipped.



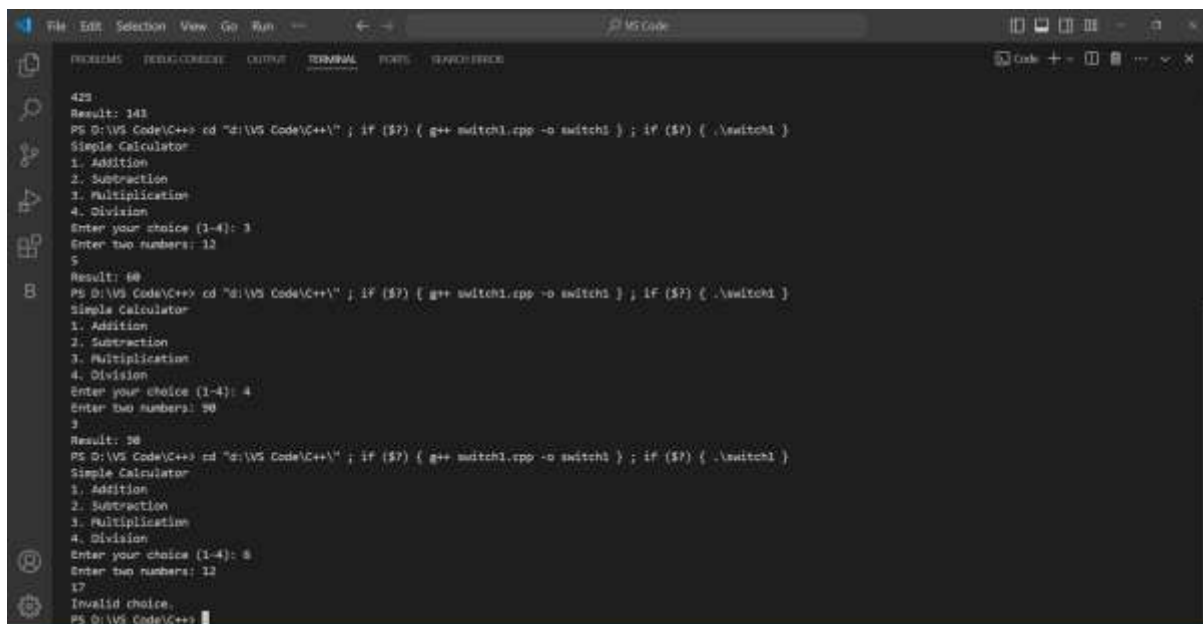
```
File Edit Selection View Go Run ...  
PROBLEMS DEBUG CONSOLE OUTPUT TERMINAL PORTS SEARCH INDEX  
Warning: PowerShell detected that you might be using a screen reader and has disabled PSReadLine for compatibility purposes. If you want to re-enable it, run 'Import-Module PSReadLine'.  
  
PS D:\VS Code> cd "d:\VS Code\C++\" ; if ($?) { g++ positivenumber.cpp -o positivenumber } ; if ($?) { .\positivenumber }  
Enter a number: 71  
PS D:\VS Code\C++> cd "d:\VS Code\C++\" ; if ($?) { g++ positivenumber.cpp -o positivenumber } ; if ($?) { .\positivenumber }  
Enter a number: -12  
You entered a negative number. Please enter a positive number.  
PS D:\VS Code\C++>
```

Q5- Create a calculator using switch statement to perform addition, subtraction, multiplication and division.



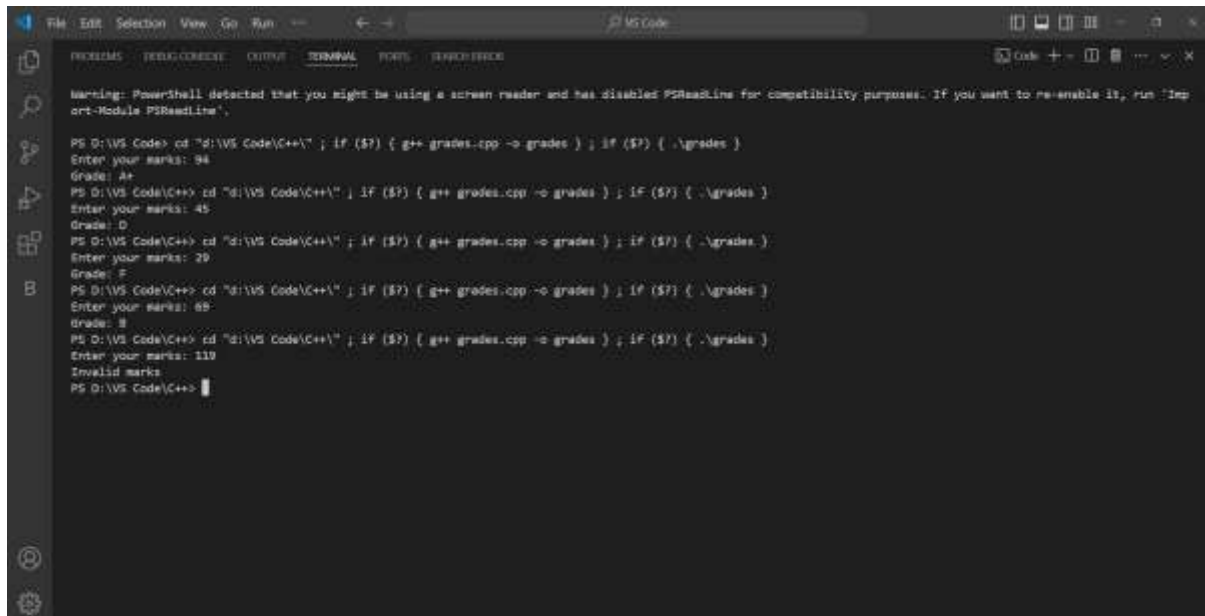
```
File Edit Selection View Go Run --> VS Code
PROBLEMS DEBUG CONSOLE OUTPUT TERMINAL PORTS SEARCH INDEX
Warning: PowerShell detected that you might be using a screen reader and has disabled PSReadline for compatibility purposes. If you want to re-enable it, run 'Import-Module PSReadline'.

PS D:\VS Code> cd "d:\VS Code\C++\" ; if ($?) { g++ switch1.cpp -o switch1 } ; if ($?) { .\switch1 }
Simple Calculator
1. Addition
2. Subtraction
3. Multiplication
4. Division
Enter your choice (1-4): 1
Enter two numbers: 45
55
Result: 100
PS D:\VS Code\C++> cd "d:\VS Code\C++\" ; if ($?) { g++ switch1.cpp -o switch1 } ; if ($?) { .\switch1 }
Simple Calculator
1. Addition
2. Subtraction
3. Multiplication
4. Division
Enter your choice (1-4): 2
Enter two numbers: 508
425
Result: 145
PS D:\VS Code\C++> cd "d:\VS Code\C++\" ; if ($?) { g++ switch1.cpp -o switch1 } ; if ($?) { .\switch1 }
Simple Calculator
1. Addition
2. Subtraction
3. Multiplication
4. Division
Enter your choice (1-4): 3
Enter two numbers: 12
5
Result: 60
```



```
425
Result: 145
PS D:\VS Code\C++> cd "d:\VS Code\C++\" ; if ($?) { g++ switch1.cpp -o switch1 } ; if ($?) { .\switch1 }
Simple Calculator
1. Addition
2. Subtraction
3. Multiplication
4. Division
Enter your choice (1-4): 3
Enter two numbers: 12
5
Result: 60
PS D:\VS Code\C++> cd "d:\VS Code\C++\" ; if ($?) { g++ switch1.cpp -o switch1 } ; if ($?) { .\switch1 }
Simple Calculator
1. Addition
2. Subtraction
3. Multiplication
4. Division
Enter your choice (1-4): 4
Enter two numbers: 90
3
Result: 90
PS D:\VS Code\C++> cd "d:\VS Code\C++\" ; if ($?) { g++ switch1.cpp -o switch1 } ; if ($?) { .\switch1 }
Simple Calculator
1. Addition
2. Subtraction
3. Multiplication
4. Division
Enter your choice (1-4): 8
Enter two numbers: 12
17
Invalid choice.
PS D:\VS Code\C++>
```

Q6. Write a program to calculate marks to grades. Follow the conversion rule as given below:



```
File Edit Selection View Go Run <--> VS Code
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 ($?) { g++ grades.cpp -o grades } ; if ($?) { .\grades }
Enter your marks: 94
Grade: A+
PS D:\VS Code\C++> cd "d:\VS Code\C++\" ; if ($?) { g++ grades.cpp -o grades } ; if ($?) { .\grades }
Enter your marks: 45
Grade: D
PS D:\VS Code\C++> cd "d:\VS Code\C++\" ; if ($?) { g++ grades.cpp -o grades } ; if ($?) { .\grades }
Enter your marks: 29
Grade: F
PS D:\VS Code\C++> cd "d:\VS Code\C++\" ; if ($?) { g++ grades.cpp -o grades } ; if ($?) { .\grades }
Enter your marks: 69
Grade: B
PS D:\VS Code\C++> cd "d:\VS Code\C++\" ; if ($?) { g++ grades.cpp -o grades } ; if ($?) { .\grades }
Enter your marks: 119
Invalid marks
PS D:\VS Code\C++> 
```