```
OUTPUT
                               DEBUG CONSOLE
 PROBLEMS
            TERMINAL
 c:\Users\Akshat\Downloads\c++>cd "c:\Users\Akshat\Downloads\c++\" && g++ 1.cpp -o 1 && "c:\Users\Akshat\Downloads\c++\"1
 Trapezoidal Formula
 Name:Akshat Gupta
 Number of sub intervals = 6
 Required Integration = 1.410799
 c:\Users\Akshat\Downloads\c++>
            TERMINAL
                      OUTPUT
                                DEBUG CONSOLE
 c:\Users\Akshat\Downloads\c++>cd "c:\Users\Akshat\Downloads\c++\" && g++ 1.cpp -o 1 && "c:\Users\Akshat\Downloads\c++\"1
 Akshat Gupta
 Enter the lower limit = 2
 Enter the upper limit = 8
 Enter the sub interval (it should be even) = 6
 The result is = 0.34
 c:\Users\Akshat\Downloads\c++>
           TERMINAL
                     OUTPUT
                              DEBUG CONSOLE
c:\Users\Akshat\Downloads\c++>cd "c:\Users\Akshat\Downloads\c++\" && g++ 1.cpp -o 1 && "c:\Users\Akshat\Downloads\c++\"1
Akshat Gupta
Enter the lower limit a = 3
Enter the upper limit b = 7
Enter the sub interval {multiple of 3} = 6
The result = 0.179969
c:\Users\Akshat\Downloads\c++>
```