**Name of Student: Raheel Kotwal**

**Roll Number: 45**

**Experiment Number: 6**

**Title: Grades of student based on 5 subjects using if-else-if**

**Theory:** The code below asks users for marks of 5 subjects and calculates the average of those 5 subjects. The grade is then given based on the average marks. 90 and above results in A grade, 80 to 89 results in B grade, 70 to 79 results in C grade and so on..

**Code:#include <iostream>**

**using namespace std;**

**int main() {**

**double sub1, sub2, sub3, sub4, sub5;**

**cout << "Enter score for Subject 1: ";**

**cin >> sub1;**

**cout << "Enter score for Subject 2: ";**

**cin >> sub2;**

**cout << "Enter score for Subject 3: ";**

**cin >> sub3;**

**cout << "Enter score for Subject 4: ";**

**cin >> sub4;**

**cout << "Enter score for Subject 5: ";**

**cin >> sub5;**

**double average\_score = (sub1 + sub2 + sub3 + sub4 + sub5) / 5;**

**char grade;**

**if (average\_score >= 90) {**

**grade = 'A';**

**} else if (average\_score >= 80) {**

**grade = 'B';**

**} else if (average\_score >= 70) {**

**grade = 'C';**

**} else if (average\_score >= 60) {**

**grade = 'D';**

**} else {**

**grade = 'F';**

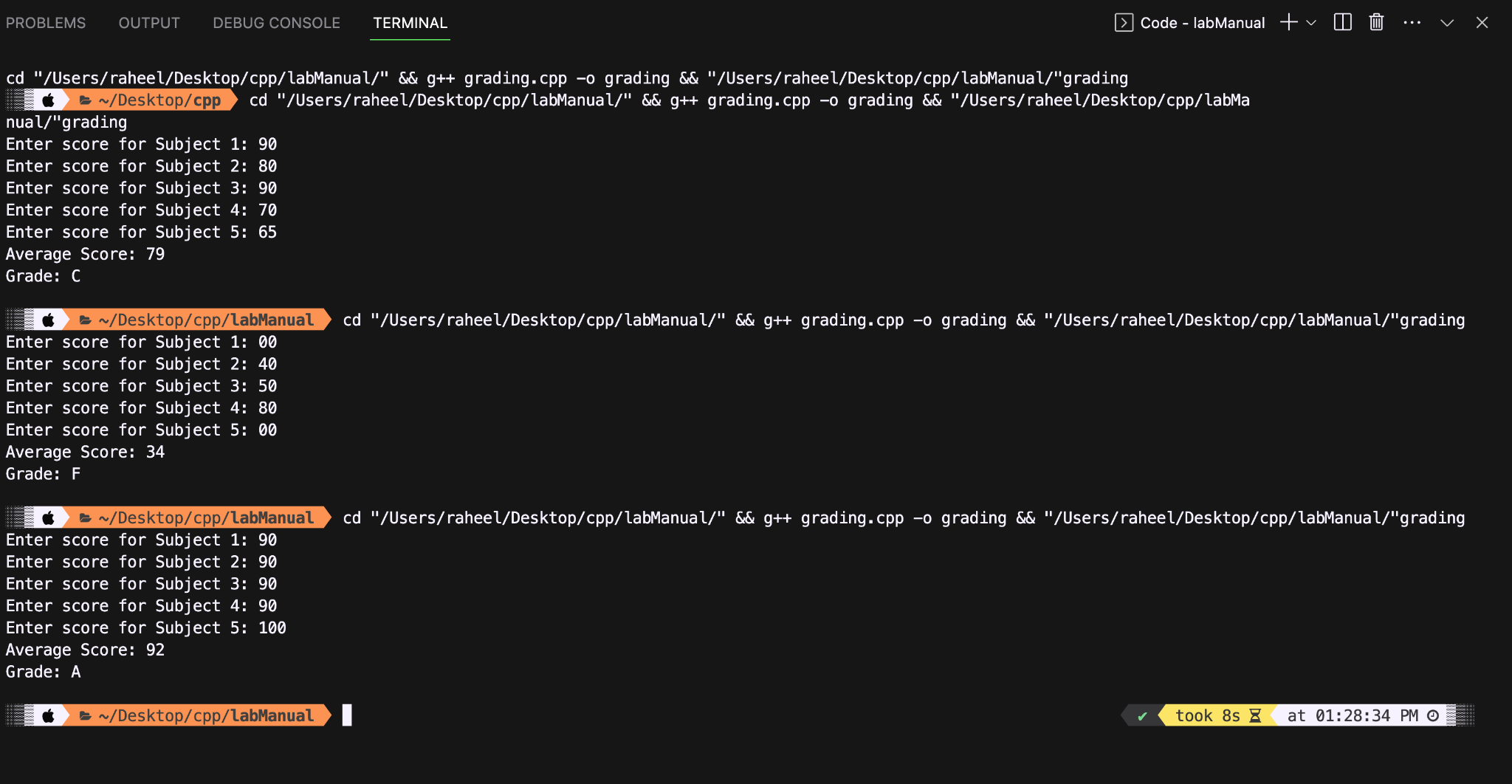
**}**

**cout << "Average Score: " << average\_score << endl;**

**cout << "Grade: " << grade << endl;**

**return 0;**

**}**

**Output:(screenshot):**