

Topic-

Display a C program to calculate the average and grade of each student in the 1st yr BTech program. Program based on their program obtained in the 1st semester the program should prompt the user to input the mark for each student each subject such as Math, Physics, Chemistry, English and CS using control structures such as loop and conditional statements the program should calculate average marks and assign grades to each student according to predefined criteria the program should display average marks and grade of each student.

1. Problem Understanding

You are building a **C program** that:

- Takes input of marks for **multiple students**.
- Each student has marks in **5 subjects**:
 1. Math
 2. Physics
 3. Chemistry
 4. English
 5. Computer Science (CS)

- For each student, the program:
 1. Calculates the **average** of marks.
 2. Assigns a **grade** based on average.
 3. Displays average and grade.

Grade Criteria Example (You can define your own)

Average Marks	Grade
90 - 100	A
80 - 89	B
70 - 79	C
60 - 69	D
< 60	F

Information to Collect in Program

1. Number of students
2. For **each student**:

- Name or ID (optional but useful)
- Marks in:
 - Math
 - Physics
 - Chemistry
 - English
 - CS

3. Calculate:

- Average marks
- Grade (based on average)

4. Display:

- Average and grade for each student.