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    Welcome to the Gradebook Analyzer
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 Menu:
 1. Enter Student Data Manually
 2. Exit

 Enter your choice (1 or 2): 1

 Enter number of students: 5
 Enter name of student 1: Ankit
 Enter marks for Ankit: 58
 Enter name of student 2: Raghav
 Enter marks for Raghav: 78
 Enter name of student 3: Ritvik
 Enter marks for Ritvik: 80
 Enter name of student 4: Karthik
 Enter marks for Karthik: 80
 Enter name of student 5: Priyanshu
 Enter marks for Priyanshu: 86

 --- Summary ---
 Average Marks: 76.40
 Median Marks: 80.00
 Highest Marks: 86.0
 Lowest Marks: 58.0

 --- Grade Distribution ---
 A: 0
 B: 3
 C: 1
 D: 0
 F: 1

 --- Pass/Fail Summary ---
 Passed: Ankit, Raghav, Ritvik, Karthik,
 Failed: None
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--- Final Results ---

Name            Marks   Grade
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Ankit           58.0    F
Raghav          78.0    C
Ritvik          80.0    B
Karthik         80.0    B
Priyanshu       86.0    B
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