```
PS C:\Users\satty\OneDrive\Desktop\Pyhton> python -u "c:\Users\satty\OneDrive\Desktop\Pyhton\Grade book.py"
===========================================
 Welcome to the GradeBook Analyzer CLI
===========================================
This tool analyzes student marks and assigns grades.

Please choose an input method:
1. Manual entry of student names and marks
2. Load data from a CSV file

Enter your choice (1 or 2): 2
Enter CSV filename (with .csv extension): data.csv

 Data loaded successfully from CSV!

--- Statistical Summary ---
Average Marks: 89.25
Median Marks:  89.00
Highest Marks: 92.00
Lowest Marks:  87.00

--- Grade Distribution ---
Grade A: 2 student(s)
Grade B: 2 student(s)
Grade C: 0 student(s)
Grade D: 0 student(s)
Grade F: 0 student(s)

--- Pass/Fail Summary ---
Passed Students (4): Ayush Raj, Vishnu Shankar, Angad Singh, Gourav Sen
Failed Students (0): None
```

```
Name            Marks  Grade
--------------------------------
Ayush Raj       90.00  A
Vishnu Shankar  87.00  B
Angad Singh     92.00  A
Gourav Sen      88.00  B
--------------------------------

Do you want to analyze another dataset? (yes/no): no
```

```
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==========================================
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Please choose an input method:
1. Manual entry of student names and marks
2. Load data from a CSV file

Enter your choice (1 or 2): 1

How many students? 4
Enter name of student 1: Ayush Raj
Enter marks for Ayush Raj: 90
Enter name of student 2: Vishnu Shankar
Enter marks for Vishnu Shankar: 95
Enter name of student 3: Angad Singh
Enter marks for Angad Singh: 80
Enter name of student 4: Gourav Sen
Enter marks for Gourav Sen: 85

--- Statistical Summary ---
Average Marks: 87.50
Median Marks:  87.50
Highest Marks: 95.00
Lowest Marks:  80.00

--- Grade Distribution ---
Grade A: 2 student(s)
Grade B: 2 student(s)
Grade C: 0 student(s)
Grade D: 0 student(s)
Grade F: 0 student(s)
```

```
--- Pass/Fail Summary ---
Passed Students (4): Ayush Raj, Vishnu Shankar, Angad Singh, Gourav Sen
Failed Students (0): None

Name            Marks   Grade
--------------------------------
Ayush Raj       90.00   A
Vishnu Shankar  95.00   A
Angad Singh     80.00   B
Gourav Sen      85.00   B
--------------------------------

Do you want to analyze another dataset? (yes/no): no

Thank you for using the GradeBook Analyzer!
```

```
PS C:\Users\satty\OneDrive\Desktop\Pyhton> python -u "c:\Users\satty\OneDrive\Desktop\Pyhton\Grade book.py"
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===========================================
This tool analyzes student marks and assigns grades.

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1. Manual entry of student names and marks
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Enter your choice (1 or 2): 2
Enter CSV filename (with .csv extension): data.csv

 Data loaded successfully from CSV!

--- Statistical Summary ---
Average Marks: 88.86
Median Marks:  89.00
Highest Marks: 92.00
Lowest Marks:  85.00

--- Grade Distribution ---
Grade A: 3 student(s)
Grade B: 4 student(s)
Grade C: 0 student(s)
Grade D: 0 student(s)
Grade F: 0 student(s)

--- Pass/Fail Summary ---
Passed Students (7): Ayush Raj, Vishnu Shankar, Angad Singh, Gourav Sen, Sunil Kumar, Rajesh Kumar, Ankit Tiwari
Failed Students (0): None
```

```
Name           Marks  Grade
-------------------------------
Ayush Raj      90.00  A
Vishnu Shankar 87.00  B
Angad Singh    92.00  A
Gourav Sen     88.00  B
Sunil Kumar    85.00  B
Rajesh Kumar   91.00  A
Ankit Tiwari   89.00  B
-------------------------------

Do you want to analyze another dataset? (yes/no): no

Thank you for using the GradeBook Analyzer!
```