```python
#importing numpy
import numpy as np
n = int(input("Enter number of students: ")) #inserting no.of students
marks_list = [] #Giving empty list because of it will update by no.of
students
#For inserting marks in empty list using for function
for i in range(n):
  marks = float(input(f"Enter marks of student {i+1}: ")) #Entering
marks
  marks_list.append(marks) #By append function giving all marks are
inserted in empty list
# List converting into array
marks_array = np.array(marks_list)
total_marks = marks_array.sum() #By sum function we get sum of all
marks
average_marks = total_marks / n #By formula we get average of marks
highest_marks = marks_array.max() #By max function we get maximum
marks
lowest_marks = marks_array.min()  #By min function we get minimum
marks
#Calculations of grade by using Conditional statements
if average_marks >= 85:
  grade = "A"
elif average_marks >= 70:
  grade = "B"
elif average_marks >= 50:
  grade = "C"
else:
  grade = "Fail"
print("\n--- Student Marks Analysis ---") #printing Heading for marks
analysis
print("Total Marks:", total_marks) #printing total marks
print("Average Marks:", average_marks) #printing average marks
print("Highest Marks:", highest_marks) #printing Highest marks
print("Lowest Marks:", lowest_marks) #printing Lowest marks
print("Grade:", grade) #printing Grade
```

```
Enter number of students: 3
Enter marks of student 1: 67
Enter marks of student 2: 78
Enter marks of student 3: 89

--- Student Marks Analysis ---
Total Marks: 234.0
Average Marks: 78.0
Highest Marks: 89.0
Lowest Marks: 67.0
Grade: B
```