Assignment Question: Grade Calculator using Functions

Problem Statement:

Create a Python program that calculates the average grade of students using functions. The program should provide the following functionalities:

1. `calculate_average(grades)`: This function should take a list of grades `grades` as input and return the average grade.

2. `get_letter_grade(average)`: This function should take the average grade `average` as input and return the corresponding letter grade based on the following grading scale:

  - A: 90 - 100

  - B: 80 - 89

  - C: 70 - 79

  - D: 60 - 69

  - F: Below 60

3. `display_results(average, letter_grade)`: This function should take the average grade `average` and the corresponding letter grade `letter_grade` as inputs and print a message displaying the average grade and letter grade.

Your program should prompt the user to enter the grades of students (separated by spaces), call the necessary functions to calculate the average grade and determine the letter grade, and display the results for each student.

Instructions:

1. Implement the functions `calculate_average`, `get_letter_grade`, and `display_results` as described above.

2. Prompt the user to enter the grades of students, separated by spaces.

3. Call the necessary functions to calculate the average grade, determine the letter grade, and display the results for each student.

Sample Output:

Enter the grades of student 1: 85 90 78 92 88

Student 1:

Average Grade: 86.6

Letter Grade: B

Enter the grades of student 2: 70 65 75 68 72

Student 2:

Average Grade: 70.0

Letter Grade: C