**Grade Calculator**

**1).** Include a core I/O functionality module. Also add the shared reference to a global buffer of an input data.

**2).** Take input form the user for the below 6 fields:

- User Name

- Scores of 2 quizzes (Quiz 1 and Quiz 2)

- Scores of 2 assignments (Assignment 1, Assignment 2, and Assignment 3)

**3).** Marks entered by the user should be in below range otherwise show an error message “Please Enter number in range.”

- Quizzes are for 100 marks and weighted equally

- Assignment 1 is for 200 marks

- Assignment 2 is for 100 marks

- Assignment 3 is for 50 marks.

**4).** Quizzes are worth 30% of the total, Assignment 1 is worth 25%, Assignment 2 is worth 25% and Assignment 3 is worth 20%.

**5).** Calculate the final score based on the above weightage.

**6).** Display the final grade based on the following.

Grade Score

- A 93 – 100

- B 85 – 92.99

- C 75 – 84.99

- D 65 – 74.99

- E 60 – 64.99

- F < 60

**7).** After the validation is successful, display score in this format “Your Name is <User name>, and your scores are: <score> and Your Grade is <Grade>.