



# NATIONAL UNIVERSITY OF COMPUTER AND EMERGING SCIENCES



**Course:** Programming Fundamentals

**Instructor:** Mr. Shoaib Muhammad Khan

**TA's:** Mehmood Munir, Wajahat Raza

**Due Date:** October 28, 2019 05:00 PM

## Instructions:

- This assignment is to be submitted in hard form to the TA's.
- Plagiarism will result in **zero** credit in the assignment.

## Task 1:

You are given two files. One of the files contain the names of the students and the second file contain the marks of the students. Your task is to calculate the grades of the students and show the output.

<b>File1:</b>	<b>File:</b>	<b>Output:</b>
John	80	John: B+
Brad	45	Brad: F
Anna	65	Anna: C

Criteria for grading is as follows:

Marks 90 and above is A+, marks between 89 and 86 is A, marks between 85 and 82 is A-, marks between 81 and 78 is B+, marks between 77 and 74 is B, marks between 73 and 70 is B-, marks between 69 and 66 is C+, marks between 65 and 62 is C, marks between 61 and 58 is C-, marks between 57 and 54 is D+, marks between 53 and 50 is D, marks bellow 50 is F.

## Task 2:

The manager of a football stadium wants you to write a program that calculates the total ticket sales after each game. There are four types of tickets—box, sideline, premium, and general admission. After each game, data is stored in a file in the following form:

```
ticketPrice    numberOfTicketsSold
...
```

Sample data are shown below:

```
250 5750
100 28000
50 35750
25 18750
```

The first line indicates that the ticket price is \$250 and that 5750 tickets were sold at that price. Output the number of tickets sold and the total sale amount.