
Lab Exercise 6

— CSDC102: Intermediate
Programming —

Before your codes...

```
//*****  
// Filename :  
// Date :  
// Subject :  
// Second Semester, SY 2019 - 2020  
// Activity : Lab 1A  
// Problem Title :  
// Input :  
// Output :  
//  
// Honor Code : *insert honor code here*  
//  
// Complete Name :  
// ID Number :  
// Year-Course : 1-BSCS  
// DCS, College of Computer Studies  
// Ateneo de Naga University  
//*****
```

Honor Code : This is my own program. I have not received any unauthorized help in completing this work. I have not copied from my classmate, friend, nor any unauthorized resource. I am well aware of the policies stipulated in the handbook regarding academic dishonesty. If proven guilty, I won't be credited any points for this exercise.

Lab 6A: Records

Program Description:

- Write a grading program given the following grading policies:
 - There are two quizzes, each graded on the basis of ten points.
 - There is one midterm exam and one final exam, each graded on the basis of 100 points.
 - The final exam counts for 50% of the grade, the midterm counts for 25% and the two quizzes together count for a total of 25%. (*Note: Normalize the quiz scores. Convert them to a percent before averaging them in.*)

Lab 6A: Records

- Grading scheme:
 - Numerical grade of 90 or more = A
 - Numerical grade of 80 or more = B
 - Numerical grade of 70 or more = C
 - Numerical grade of 60 or more = D
 - Numerical grade below 60 = F

Lab 6A: Records

- Specifications:
 - Filename: **Lab6A_SURNAME.cpp**
 - Input file: **gradebook.in**
 - Output: standard output

Lab 6A: Records

- Formats:

- Input:

- The input begins with an integer **N** , $0 < N \leq 50$, which specifies the number of student records. Each record consists of eight lines:
 - ID number
 - last name
 - first name
 - middle initial
 - quiz 1 score
 - quiz 2 score
 - midterm exam score
 - final exam score

Lab 6A: Records

- Formats:
 - Output:
 - For each student, output his/her record with the computed average numeric score for the course and the final letter grade.

Lab 6A: Records

Sample Input

```
3
2012-1-1000
Weston
Blake
N
6
6
60
60
```

Sample Output

```
ID Number: 2012-1-1000
Name: Weston, Blake N.
Q1: 6
Q2: 6
ME: 60
FE: 60
NG: 60
LG: D
```

Lab 6A: Records

Sample Input (cont'd)

2012-1-1098

Espinoza

Hayley Rose

T

10

10

100

100

Sample Output (cont'd)

ID Number: 2012-1-1098

Name: Espinoza, Hayley Rose T.

Q1: 10

Q2: 10

ME: 100

FE: 100

NG: 100

LG: A

Lab 6A: Records

Sample Input (cont'd)

2012-1-2312

Townsend

Nate

L

5

0

27

68

Sample Output (cont'd)

ID Number: 2012-1-2312

Name: Townsend, Nate L.

Q1: 5

Q2: 0

ME: 27

FE: 68

NG: 47

LG: F