

Final Project
READ CAREFULLY!

Learning Outcomes:

- 1) Everything (up to and including structures)!

It's time to consider more than one student!

The purpose of this project is to create a fee invoice application for students attending Valence Community College. The main menu for your application must have the following options.

- 1- Add a new student
- 2- Add/Delete a course for a student
- 3- Search for a student
- 4- Print fee invoice

For every option, you must have a separate function. Feel free to add helper functions as needed.

Additional Information

It costs 120.25 dollars per credit hour in addition to \$35.00 charged for health and id services.

Valence Community College offers the following course:

CRN	Course	Credit Hours
4587	MAT 236	4
4599	COP 220	3
8997	GOL 124	1
9696	COP 100	3
1232	MAC 531	5
9856	STA 100	2
8520	TNV 400	5
8977	CMP 100	1

Note that we are considering the names of the students in this project. Furthermore, a student can take up to 4 courses this time!

A fee invoice should look like

VALENCE COMMUNITY COLLEGE
ORLANDO FL 10101

Fee Invoice Prepared for Student:
5959-DANIEL TAZI

1 Credit Hour = \$120.25

CRN	CR_PREFIX	CR_HOURS	
4599	COP 220	3	\$ 360.75
4587	MAT 236	4	\$ 481.00

Health & id fees \$ 35.00

Total Payments \$ 876.75

Sample Run (The user's entry is in bold)

Welcome!

Choose from the following options:

- 1- Add a new student
- 2- Add/Delete a course
- 3- Search for a student
- 4- Print fee invoice
- 0- Exit program

Enter your selection: **3**

Enter the student's id: **8989**

No Student found!

Choose from the following options:

- 1- Add a new student
- 2- Add/Delete a course
- 3- Search for a student
- 4- Print fee invoice
- 0- Exit program

Enter your selection: **1**

Enter the student's id: **5900** <<< Make sure that no student with id 5900 already exists

Enter student's name: **John Smith**

Enter how many courses [JOHN SMITH] is taking (up to 4 courses)?

2 <<< Check for the validity of the number of how many courses

Enter the 2 course numbers

4587 4599 <<< Check for the validity of the entered course numbers.
<<< You may display the offered courses so it's easy to pick the crns

Student added successfully!

Choose from the following options:

- 1- Add a new student
- 2- Add/Delete a course
- 3- Search for a student
- 4- Print fee invoice
- 0- Exit program

Enter your selection: **4**

Enter the student's id: **5959** (Assume that student 5959 has been already added)

VALENCE COMMUNITY COLLEGE
ORLANDO FL 10101

Fee Invoice Prepared for Student:
5959-ALLAL TAZI

1 Credit Hour = \$120.25

CRN	CR_PREFIX	CR_HOURS	
4587	MAT 236	4	\$ 481.00
4599	COP 220	3	\$ 360.75

Health & id fees \$ 35.00

Total Payments \$ 876.75

Choose from the following options:

- 1- Add a new student
- 2- Add/Delete a course
- 3- Search for a student
- 4- Print fee invoice
- 0- Exit program

Enter your selection: **2**

Enter the student's id: **5959**

Here are the courses [ALLAL TAZI] is taking:

CRN	PREFIX	CR. HOURS
4587	MAT 236	4
4599	COP 220	3

Choose from:

- A- Add a new course for [ALLAL TAZI]
- D- Delete a course from [ALLAL TAZI]'s schedule
- C- Cancel operation

Enter your selection: **D** <<< Your code should accept lower case d

Enter course Number to delete: **4599**

[4599 COP 220] is deleted successfully!

Want to display the new invoice? Y/N: **y** <<< Your code should accept lower case y/n

VALENCE COMMUNITY COLLEGE
ORLANDO FL 10101

Fee Invoice Prepared for Student:
5959-ALLAL TAZI

1 Credit Hour = \$120.25

CRN	CR_PREFIX	CR_HOURS	
4588	MAT 236	4	\$ 481.00

Health & id fees \$ 35.00

Total Payments \$ 516.00

Choose from the following options:

- 1- Add a new student
- 2- Add/Delete a course
- 3- Search for a student
- 4- Print fee invoice
- 0- Exit program

Enter your selection: 0

Goodbye!