

## COS120 Bonus Assignment #12

**Due: Monday 6/21/21**

**There is no late period**

**Worth: 60 points**

This program practices a dictionary. File **graduates.txt** stores data about students who filed for graduation in May for Summer 2021. A student must have earned at least 120 credit hours to graduate. Each line lists the student identification string, the student name, and the current number of credit hours through Spring 2021. File **summer2021.txt** contains a list of students who took courses in Summer 2021 along with the credit hours earned.

A **dictionary** will be used to store data about students.

The **key** is the student identification string.

The **value** is the number of credits earned.

### Task 1:

Open **graduates.txt** and read the data from the file. For each data set, add the **key:value** pair to the dictionary.

### Task 2:

Open **summer2021.txt**. For each student listed, if the student wishes to graduate, update their credit hours in the dictionary. Display a list of students who have sufficient credits to graduate.

### Task 3:

Display a list of students who filed for graduation but did not earn enough summer credits to do so. List also the number of credits this student now needs to take to graduate.

Submission:

Upload the source file and the output to the **Assignment 12 Upload Area**.

```
Report of graduating students by your name:
Name           Credits
Smith, Jacob    126
Betters, Sama   127
Westin, Jana    130
Vi, Koven       122
Kant, Jill      120
Falls, Omar     120
Lorenzo, Amil   125
Miller, Tom     121
Johns, Emily    122

Report of non-graduating students:
Name           Credits   Credits Needed
Collier, Hape   118         2
Saineau, Vera   118         2
Dedax, James    118         2
Haines, Elvira  119         1
Pavin, Koz      119         1
Haines, Valerie 110        10
```