**Sample Output:**

1. Welcome to the Student Database!

\*Every list starts out empty and database is not saved when program commpletes.

\*Every name and course that is searched for must be entered exactly as it is shown in the database in order to ensure correct operations

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 7

DATABASE:

The list is empty, nothing to output

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 4

Enter the name of the course (NameOfCourse): Math210

Enter the department of the course (One word or abbreviation): MATH

Enter the semester of the course (fa/sp ## year ex. fa19): fa19

Enter the grade earned for the course (capital character A-F): F

\*\*Enter exactly as displayed in database!

Enter the name of the student for the course to be added to: Ryan

The list is empty and no student can be searched for

Name not found in list. (Name must be exactly as found in database)

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 7

DATABASE:

The list is empty, nothing to output

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 1

Enter a student name (LastName,FirstName) of (FirstName): Skylar

Enter the student's date of birth (Format ##/##/####): 6/7/2000

Enter the students major (Must be one word or abbreviation): ElemEducation

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 7

DATABASE:

==========================

Name: Skylar

Date of Birth: 6/7/2000

Major: ElemEducation

==========================

Currently no courses assigned

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 1

Enter a student name (LastName,FirstName) of (FirstName): Ryan

Enter the student's date of birth (Format ##/##/####): 11/29/1999

Enter the students major (Must be one word or abbreviation): COSC

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 1

Enter a student name (LastName,FirstName) of (FirstName): Mary

Enter the student's date of birth (Format ##/##/####): 11/10/1999

Enter the students major (Must be one word or abbreviation): CHEM

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 7

DATABASE:

==========================

Name: Skylar

Date of Birth: 6/7/2000

Major: ElemEducation

==========================

Currently no courses assigned

==========================

Name: Ryan

Date of Birth: 11/29/1999

Major: COSC

==========================

Currently no courses assigned

==========================

Name: Mary

Date of Birth: 11/10/1999

Major: CHEM

==========================

Currently no courses assigned

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 1

Enter a student name (LastName,FirstName) of (FirstName): Bob

Enter the student's date of birth (Format ##/##/####): 10/24/1998

Enter the students major (Must be one word or abbreviation): MATH

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 7

DATABASE:

==========================

Name: Skylar

Date of Birth: 6/7/2000

Major: ElemEducation

==========================

Currently no courses assigned

==========================

Name: Ryan

Date of Birth: 11/29/1999

Major: COSC

==========================

Currently no courses assigned

==========================

Name: Mary

Date of Birth: 11/10/1999

Major: CHEM

==========================

Currently no courses assigned

==========================

Name: Bob

Date of Birth: 10/24/1998

Major: MATH

==========================

Currently no courses assigned

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 4

Enter the name of the course (NameOfCourse): Math210

Enter the department of the course (One word or abbreviation): MATH

Enter the semester of the course (fa/sp ## year ex. fa19): fa19

Enter the grade earned for the course (capital character A-F): A

\*\*Enter exactly as displayed in database!

Enter the name of the student for the course to be added to: Ryan

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 7

DATABASE:

==========================

Name: Skylar

Date of Birth: 6/7/2000

Major: ElemEducation

==========================

Currently no courses assigned

==========================

Name: Ryan

Date of Birth: 11/29/1999

Major: COSC

==========================

------------Courses------------

==================================

Course Name: Math210

Department: MATH

Semester: fa19

Grade Received: A

==================================

==========================

Name: Mary

Date of Birth: 11/10/1999

Major: CHEM

==========================

Currently no courses assigned

==========================

Name: Bob

Date of Birth: 10/24/1998

Major: MATH

==========================

Currently no courses assigned

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 4

Enter the name of the course (NameOfCourse): Chem305

Enter the department of the course (One word or abbreviation): CHEM

Enter the semester of the course (fa/sp ## year ex. fa19): sp19

Enter the grade earned for the course (capital character A-F): B

\*\*Enter exactly as displayed in database!

Enter the name of the student for the course to be added to: Bob

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 7

DATABASE:

==========================

Name: Skylar

Date of Birth: 6/7/2000

Major: ElemEducation

==========================

Currently no courses assigned

==========================

Name: Ryan

Date of Birth: 11/29/1999

Major: COSC

==========================

------------Courses------------

==================================

Course Name: Math210

Department: MATH

Semester: fa19

Grade Received: A

==================================

==========================

Name: Mary

Date of Birth: 11/10/1999

Major: CHEM

==========================

Currently no courses assigned

==========================

Name: Bob

Date of Birth: 10/24/1998

Major: MATH

==========================

------------Courses------------

==================================

Course Name: Chem305

Department: CHEM

Semester: sp19

Grade Received: B

==================================

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 4

Enter the name of the course (NameOfCourse): CHEM101

Enter the department of the course (One word or abbreviation): CHEM

Enter the semester of the course (fa/sp ## year ex. fa19): fa19

Enter the grade earned for the course (capital character A-F): A

\*\*Enter exactly as displayed in database!

Enter the name of the student for the course to be added to: Skylar

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 4

Enter the name of the course (NameOfCourse): ELED236

Enter the department of the course (One word or abbreviation): ELED

Enter the semester of the course (fa/sp ## year ex. fa19): fa19

Enter the grade earned for the course (capital character A-F): A

\*\*Enter exactly as displayed in database!

Enter the name of the student for the course to be added to: Skylar

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 4

Enter the name of the course (NameOfCourse): HISTORY202

Enter the department of the course (One word or abbreviation): HIST

Enter the semester of the course (fa/sp ## year ex. fa19): fa19

Enter the grade earned for the course (capital character A-F): A

\*\*Enter exactly as displayed in database!

Enter the name of the student for the course to be added to: Skylar

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 4

Enter the name of the course (NameOfCourse): MATH170

Enter the department of the course (One word or abbreviation): MATH

Enter the semester of the course (fa/sp ## year ex. fa19): fa19

Enter the grade earned for the course (capital character A-F): B

\*\*Enter exactly as displayed in database!

Enter the name of the student for the course to be added to: Skylar

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 4

Enter the name of the course (NameOfCourse): Beekeeping

Enter the department of the course (One word or abbreviation): HONORS

Enter the semester of the course (fa/sp ## year ex. fa19): fa19

Enter the grade earned for the course (capital character A-F): A

\*\*Enter exactly as displayed in database!

Enter the name of the student for the course to be added to: Mary

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 7

DATABASE:

==========================

Name: Skylar

Date of Birth: 6/7/2000

Major: ElemEducation

==========================

------------Courses------------

==================================

Course Name: CHEM101

Department: CHEM

Semester: fa19

Grade Received: A

==================================

==================================

Course Name: ELED236

Department: ELED

Semester: fa19

Grade Received: A

==================================

==================================

Course Name: HISTORY202

Department: HIST

Semester: fa19

Grade Received: A

==================================

==================================

Course Name: MATH170

Department: MATH

Semester: fa19

Grade Received: B

==================================

==========================

Name: Ryan

Date of Birth: 11/29/1999

Major: COSC

==========================

------------Courses------------

==================================

Course Name: Math210

Department: MATH

Semester: fa19

Grade Received: A

==================================

==========================

Name: Mary

Date of Birth: 11/10/1999

Major: CHEM

==========================

------------Courses------------

==================================

Course Name: Beekeeping

Department: HONORS

Semester: fa19

Grade Received: A

==================================

==========================

Name: Bob

Date of Birth: 10/24/1998

Major: MATH

==========================

------------Courses------------

==================================

Course Name: Chem305

Department: CHEM

Semester: sp19

Grade Received: B

==================================

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 2

\*\*Enter exactly as displayed in database!

Enter the new student name: Marie

Enter the new student's date of birth: 11/10/1960

Enter the new student's major: ACCO

What is the name of the student to update in the database?Mary

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 7

DATABASE:

==========================

Name: Skylar

Date of Birth: 6/7/2000

Major: ElemEducation

==========================

------------Courses------------

==================================

Course Name: CHEM101

Department: CHEM

Semester: fa19

Grade Received: A

==================================

==================================

Course Name: ELED236

Department: ELED

Semester: fa19

Grade Received: A

==================================

==================================

Course Name: HISTORY202

Department: HIST

Semester: fa19

Grade Received: A

==================================

==================================

Course Name: MATH170

Department: MATH

Semester: fa19

Grade Received: B

==================================

==========================

Name: Ryan

Date of Birth: 11/29/1999

Major: COSC

==========================

------------Courses------------

==================================

Course Name: Math210

Department: MATH

Semester: fa19

Grade Received: A

==================================

==========================

Name: Marie

Date of Birth: 11/10/1960

Major: ACCO

==========================

------------Courses------------

==================================

Course Name: Beekeeping

Department: HONORS

Semester: fa19

Grade Received: A

==================================

==========================

Name: Bob

Date of Birth: 10/24/1998

Major: MATH

==========================

------------Courses------------

==================================

Course Name: Chem305

Department: CHEM

Semester: sp19

Grade Received: B

==================================

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 6

\*\*Enter exactly as displayed in database!

Enter the new name of the course: ACCO350

Enter the new department of the course: ACCO

Enter the new semester of the course: ACCO

Enter the new grade of the course: A

Enter the name of the student whose course will be updated: Ryan

Enter the course of the student that will be updated: Math210

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 7

DATABASE:

==========================

Name: Skylar

Date of Birth: 6/7/2000

Major: ElemEducation

==========================

------------Courses------------

==================================

Course Name: CHEM101

Department: CHEM

Semester: fa19

Grade Received: A

==================================

==================================

Course Name: ELED236

Department: ELED

Semester: fa19

Grade Received: A

==================================

==================================

Course Name: HISTORY202

Department: HIST

Semester: fa19

Grade Received: A

==================================

==================================

Course Name: MATH170

Department: MATH

Semester: fa19

Grade Received: B

==================================

==========================

Name: Ryan

Date of Birth: 11/29/1999

Major: COSC

==========================

------------Courses------------

==================================

Course Name: ACCO350

Department: ACCO

Semester: ACCO

Grade Received: A

==================================

==========================

Name: Marie

Date of Birth: 11/10/1960

Major: ACCO

==========================

------------Courses------------

==================================

Course Name: Beekeeping

Department: HONORS

Semester: fa19

Grade Received: A

==================================

==========================

Name: Bob

Date of Birth: 10/24/1998

Major: MATH

==========================

------------Courses------------

==================================

Course Name: Chem305

Department: CHEM

Semester: sp19

Grade Received: B

==================================

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 3

\*\*Enter exactly as displayed in database!

Enter the name of the student you want to remove from the list: Skylar

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 7

DATABASE:

==========================

Name: Ryan

Date of Birth: 11/29/1999

Major: COSC

==========================

------------Courses------------

==================================

Course Name: ACCO350

Department: ACCO

Semester: ACCO

Grade Received: A

==================================

==========================

Name: Marie

Date of Birth: 11/10/1960

Major: ACCO

==========================

------------Courses------------

==================================

Course Name: Beekeeping

Department: HONORS

Semester: fa19

Grade Received: A

==================================

==========================

Name: Bob

Date of Birth: 10/24/1998

Major: MATH

==========================

------------Courses------------

==================================

Course Name: Chem305

Department: CHEM

Semester: sp19

Grade Received: B

==================================

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 3

\*\*Enter exactly as displayed in database!

Enter the name of the student you want to remove from the list: Bob

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 7

DATABASE:

==========================

Name: Ryan

Date of Birth: 11/29/1999

Major: COSC

==========================

------------Courses------------

==================================

Course Name: ACCO350

Department: ACCO

Semester: ACCO

Grade Received: A

==================================

==========================

Name: Marie

Date of Birth: 11/10/1960

Major: ACCO

==========================

------------Courses------------

==================================

Course Name: Beekeeping

Department: HONORS

Semester: fa19

Grade Received: A

==================================

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 3

\*\*Enter exactly as displayed in database!

Enter the name of the student you want to remove from the list: Marie

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 7

DATABASE:

==========================

Name: Ryan

Date of Birth: 11/29/1999

Major: COSC

==========================

------------Courses------------

==================================

Course Name: ACCO350

Department: ACCO

Semester: ACCO

Grade Received: A

==================================

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 5

\*\*Enter exactly as displayed in database!

Enter the name of the student whose course you want to remove: ACCO350

Enter the name of the course to be removed: ACCo85

No student found in list! Please enter name exactly as they are displayed

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 5

\*\*Enter exactly as displayed in database!

Enter the name of the student whose course you want to remove: Ryan

Enter the name of the course to be removed: ACCO350

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 7

DATABASE:

==========================

Name: Ryan

Date of Birth: 11/29/1999

Major: COSC

==========================

Currently no courses assigned

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 8

2. Welcome to the Student Database!

\*Every list starts out empty and database is not saved when program commpletes.

\*Every name and course that is searched for must be entered exactly as it is shown in the database in order to ensure correct operations

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 1

Enter a student name (LastName,FirstName) or (FirstName): Jason

Enter the student's date of birth (Format ##/##/####): 10/22/1965

Enter the students major (Must be one word or abbreviation): CHEM

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 7

DATABASE:

==========================

Name: Jason

Date of Birth: 10/22/1965

Major: CHEM

==========================

Currently no courses assigned

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 5

\*\*Enter exactly as displayed in database!

Enter the name of the student whose course you want to remove: Jason

Enter the name of the course to be removed: CHEM 101

No courses are assigned to the current student

No course found in list! Please enter name exactly as they are displayed

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 7

DATABASE:

==========================

Name: Jason

Date of Birth: 10/22/1965

Major: CHEM

==========================

Currently no courses assigned

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 6

\*\*Enter exactly as displayed in database!

Enter the new name of the course: CHEM101

Enter the new department of the course: CHEMISTRY

Enter the new semester of the course: fa19

Enter the new grade of the course: Z

Enter the name of the student whose course will be updated: Jason

Enter the course of the student that will be updated: Math610

No courses are assigned to the current student

Course not found on current list! Please type in course name exactly as displayed in database.

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 7

DATABASE:

==========================

Name: Jason

Date of Birth: 10/22/1965

Major: CHEM

==========================

Currently no courses assigned

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 3

\*\*Enter exactly as displayed in database!

Enter the name of the student you want to remove from the list: Jason

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 7

DATABASE:

The list is empty, nothing to output

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 1

Enter a student name (LastName,FirstName) or (FirstName): Jason

Enter the student's date of birth (Format ##/##/####): 10/24/1999

Enter the students major (Must be one word or abbreviation): CHEM

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 1

Enter a student name (LastName,FirstName) or (FirstName): Ryan

Enter the student's date of birth (Format ##/##/####): 11/29/1999

Enter the students major (Must be one word or abbreviation): COSC

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 1

Enter a student name (LastName,FirstName) or (FirstName): Skylar

Enter the student's date of birth (Format ##/##/####): 6/7/2000

Enter the students major (Must be one word or abbreviation): ELED

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 7

DATABASE:

==========================

Name: Jason

Date of Birth: 10/24/1999

Major: CHEM

==========================

Currently no courses assigned

==========================

Name: Ryan

Date of Birth: 11/29/1999

Major: COSC

==========================

Currently no courses assigned

==========================

Name: Skylar

Date of Birth: 6/7/2000

Major: ELED

==========================

Currently no courses assigned

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 6

\*\*Enter exactly as displayed in database!

Enter the new name of the course: Math300

Enter the new department of the course: Math

Enter the new semester of the course: fa19

Enter the new grade of the course: D

Enter the name of the student whose course will be updated: Jason

Enter the course of the student that will be updated: CHEM200

No courses are assigned to the current student

Course not found on current list! Please type in course name exactly as displayed in database.

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 4

Enter the name of the course (NameOfCourse): MATH210

Enter the department of the course (One word or abbreviation): MATH

Enter the semester of the course (fa/sp ## year ex. fa19): fa19

Enter the grade earned for the course (capital character A-F): Z

Enter the grade earned for the course (capital character A-F): T

Enter the grade earned for the course (capital character A-F): g

Enter the grade earned for the course (capital character A-F): C

\*\*Enter exactly as displayed in database!

Enter the name of the student for the course to be added to: Ryan

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 7

DATABASE:

==========================

Name: Jason

Date of Birth: 10/24/1999

Major: CHEM

==========================

Currently no courses assigned

==========================

Name: Ryan

Date of Birth: 11/29/1999

Major: COSC

==========================

------------Courses------------

==================================

Course Name: MATH210

Department: MATH

Semester: fa19

Grade Received: C

==================================

==========================

Name: Skylar

Date of Birth: 6/7/2000

Major: ELED

==========================

Currently no courses assigned

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 4

Enter the name of the course (NameOfCourse): CHEM255

Enter the department of the course (One word or abbreviation): CHEM

Enter the semester of the course (fa/sp ## year ex. fa19): sp19

Enter the grade earned for the course (capital character A-F): A

\*\*Enter exactly as displayed in database!

Enter the name of the student for the course to be added to: Ryan

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 7

DATABASE:

==========================

Name: Jason

Date of Birth: 10/24/1999

Major: CHEM

==========================

Currently no courses assigned

==========================

Name: Ryan

Date of Birth: 11/29/1999

Major: COSC

==========================

------------Courses------------

==================================

Course Name: MATH210

Department: MATH

Semester: fa19

Grade Received: C

==================================

==================================

Course Name: CHEM255

Department: CHEM

Semester: sp19

Grade Received: A

==================================

==========================

Name: Skylar

Date of Birth: 6/7/2000

Major: ELED

==========================

Currently no courses assigned

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 4

Enter the name of the course (NameOfCourse): COSC220

Enter the department of the course (One word or abbreviation): COSC

Enter the semester of the course (fa/sp ## year ex. fa19): fa19

Enter the grade earned for the course (capital character A-F): A

\*\*Enter exactly as displayed in database!

Enter the name of the student for the course to be added to: Ryan

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 4

Enter the name of the course (NameOfCourse): COSC250

Enter the department of the course (One word or abbreviation): COSC

Enter the semester of the course (fa/sp ## year ex. fa19): fa19

Enter the grade earned for the course (capital character A-F): A

\*\*Enter exactly as displayed in database!

Enter the name of the student for the course to be added to: Ryan

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 7

DATABASE:

==========================

Name: Jason

Date of Birth: 10/24/1999

Major: CHEM

==========================

Currently no courses assigned

==========================

Name: Ryan

Date of Birth: 11/29/1999

Major: COSC

==========================

------------Courses------------

==================================

Course Name: MATH210

Department: MATH

Semester: fa19

Grade Received: C

==================================

==================================

Course Name: CHEM255

Department: CHEM

Semester: sp19

Grade Received: A

==================================

==================================

Course Name: COSC220

Department: COSC

Semester: fa19

Grade Received: A

==================================

==================================

Course Name: COSC250

Department: COSC

Semester: fa19

Grade Received: A

==================================

==========================

Name: Skylar

Date of Birth: 6/7/2000

Major: ELED

==========================

Currently no courses assigned

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 5

\*\*Enter exactly as displayed in database!

Enter the name of the student whose course you want to remove: Ryan

Enter the name of the course to be removed: MATH210

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 4

Enter the name of the course (NameOfCourse): COSC250

Enter the department of the course (One word or abbreviation): Ryan

Enter the semester of the course (fa/sp ## year ex. fa19): fa19

Enter the grade earned for the course (capital character A-F): D

\*\*Enter exactly as displayed in database!

Enter the name of the student for the course to be added to: fdj

Name not found in list. (Name must be exactly as found in database)

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 5

\*\*Enter exactly as displayed in database!

Enter the name of the student whose course you want to remove: Ryan

Enter the name of the course to be removed: COSC250

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 7

DATABASE:

==========================

Name: Jason

Date of Birth: 10/24/1999

Major: CHEM

==========================

Currently no courses assigned

==========================

Name: Ryan

Date of Birth: 11/29/1999

Major: COSC

==========================

------------Courses------------

==================================

Course Name: CHEM255

Department: CHEM

Semester: sp19

Grade Received: A

==================================

==================================

Course Name: COSC220

Department: COSC

Semester: fa19

Grade Received: A

==================================

==========================

Name: Skylar

Date of Birth: 6/7/2000

Major: ELED

==========================

Currently no courses assigned

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 4

Enter the name of the course (NameOfCourse): COSC250

Enter the department of the course (One word or abbreviation): COSC

Enter the semester of the course (fa/sp ## year ex. fa19): fa19

Enter the grade earned for the course (capital character A-F): A

\*\*Enter exactly as displayed in database!

Enter the name of the student for the course to be added to: Ryan

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 7

DATABASE:

==========================

Name: Jason

Date of Birth: 10/24/1999

Major: CHEM

==========================

Currently no courses assigned

==========================

Name: Ryan

Date of Birth: 11/29/1999

Major: COSC

==========================

------------Courses------------

==================================

Course Name: CHEM255

Department: CHEM

Semester: sp19

Grade Received: A

==================================

==================================

Course Name: COSC220

Department: COSC

Semester: fa19

Grade Received: A

==================================

==================================

Course Name: COSC250

Department: COSC

Semester: fa19

Grade Received: A

==================================

==========================

Name: Skylar

Date of Birth: 6/7/2000

Major: ELED

==========================

Currently no courses assigned

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 5

\*\*Enter exactly as displayed in database!

Enter the name of the student whose course you want to remove: Ryan

Enter the name of the course to be removed: COSC220

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 7

DATABASE:

==========================

Name: Jason

Date of Birth: 10/24/1999

Major: CHEM

==========================

Currently no courses assigned

==========================

Name: Ryan

Date of Birth: 11/29/1999

Major: COSC

==========================

------------Courses------------

==================================

Course Name: CHEM255

Department: CHEM

Semester: sp19

Grade Received: A

==================================

==================================

Course Name: COSC250

Department: COSC

Semester: fa19

Grade Received: A

==================================

==========================

Name: Skylar

Date of Birth: 6/7/2000

Major: ELED

==========================

Currently no courses assigned

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 8

3. Welcome to the Student Database!

\*Every list starts out empty and database is not saved when program commpletes.

\*Every name and course that is searched for must be entered exactly as it is shown in the database in order to ensure correct operations

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 7

DATABASE:

The list is empty, nothing to output

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 1

Enter a student name (LastName,FirstName) or (FirstName): Mary

Enter the student's date of birth (Format ##/##/####): 11/29/1997

Enter the students major (Must be one word or abbreviation): MATH

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 1

Enter a student name (LastName,FirstName) or (FirstName): Ryan

Enter the student's date of birth (Format ##/##/####): 11/29/1999

Enter the students major (Must be one word or abbreviation): COSC

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 7

DATABASE:

==========================

Name: Mary

Date of Birth: 11/29/1997

Major: MATH

==========================

Currently no courses assigned

==========================

Name: Ryan

Date of Birth: 11/29/1999

Major: COSC

==========================

Currently no courses assigned

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 4

Enter the name of the course (NameOfCourse): MATH210

Enter the department of the course (One word or abbreviation): MATH

Enter the semester of the course (fa/sp ## year ex. fa19): fa19

Enter the grade earned for the course (capital character A-F): D

\*\*Enter exactly as displayed in database!

Enter the name of the student for the course to be added to: Mary

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 4

Enter the name of the course (NameOfCourse): CHEM262

Enter the department of the course (One word or abbreviation): CHEM

Enter the semester of the course (fa/sp ## year ex. fa19): fa19

Enter the grade earned for the course (capital character A-F): A

\*\*Enter exactly as displayed in database!

Enter the name of the student for the course to be added to: Ryan

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 4

Enter the name of the course (NameOfCourse): MATH305

Enter the department of the course (One word or abbreviation): MATH

Enter the semester of the course (fa/sp ## year ex. fa19): fa19

Enter the grade earned for the course (capital character A-F): A

\*\*Enter exactly as displayed in database!

Enter the name of the student for the course to be added to: Ryan

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 4

Enter the name of the course (NameOfCourse): MATH305

Enter the department of the course (One word or abbreviation): MATH

Enter the semester of the course (fa/sp ## year ex. fa19): fa19

Enter the grade earned for the course (capital character A-F): A

\*\*Enter exactly as displayed in database!

Enter the name of the student for the course to be added to: Mary

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 4

Enter the name of the course (NameOfCourse): MATH405

Enter the department of the course (One word or abbreviation): MATH

Enter the semester of the course (fa/sp ## year ex. fa19): fa19

Enter the grade earned for the course (capital character A-F): A

\*\*Enter exactly as displayed in database!

Enter the name of the student for the course to be added to: Mary

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 4

Enter the name of the course (NameOfCourse): COSC388

Enter the department of the course (One word or abbreviation): COS

Enter the semester of the course (fa/sp ## year ex. fa19): fa19

Enter the grade earned for the course (capital character A-F): F

\*\*Enter exactly as displayed in database!

Enter the name of the student for the course to be added to: Mary

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 7

DATABASE:

==========================

Name: Mary

Date of Birth: 11/29/1997

Major: MATH

==========================

------------Courses------------

==================================

Course Name: MATH210

Department: MATH

Semester: fa19

Grade Received: D

==================================

==================================

Course Name: MATH305

Department: MATH

Semester: fa19

Grade Received: A

==================================

==================================

Course Name: MATH405

Department: MATH

Semester: fa19

Grade Received: A

==================================

==================================

Course Name: COSC388

Department: COS

Semester: fa19

Grade Received: F

==================================

==========================

Name: Ryan

Date of Birth: 11/29/1999

Major: COSC

==========================

------------Courses------------

==================================

Course Name: CHEM262

Department: CHEM

Semester: fa19

Grade Received: A

==================================

==================================

Course Name: MATH305

Department: MATH

Semester: fa19

Grade Received: A

==================================

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 3

\*\*Enter exactly as displayed in database!

Enter the name of the student you want to remove from the list: Mary

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 7

DATABASE:

==========================

Name: Ryan

Date of Birth: 11/29/1999

Major: COSC

==========================

------------Courses------------

==================================

Course Name: CHEM262

Department: CHEM

Semester: fa19

Grade Received: A

==================================

==================================

Course Name: MATH305

Department: MATH

Semester: fa19

Grade Received: A

==================================

Command List:

1. Add Student

2. Update Student

3. Remove Student

4. Add Course

5. Remove Course

6. Update Course

7. Print Database

8. Quit

Please enter a command (1 - 8): 8