

```
C:\Users\jairj\CLionProjects\untitled\cmake-build-debug
\main.exe
Welcome to the Phoenix Record System

Please select one of the following:
(1) Print all records
(2) Print the record for a single student
(3) Add a student
(4) Delete a student
(5) Add a course to a student
(6) Delete a course from a student
(0) EXIT
1
Name: Josh
Age: 68
Credit Hours: 2
GPA: 4
Number of Courses: 1
====student courses====
-----
Title: arts
Code: ART
Grade: 4
Credit Hours: 2
====  x  ====

Name: Mike
Age: 23
Credit Hours: 12
GPA: 3
Number of Courses: 4
====student courses====
-----
Title: English
Code: ENC
Grade: 4
Credit Hours: 3
-----
Title: Comp Progr
Code: COP
Grade: 3
```

```
Credit Hours: 3
-----
Title: MachineLearning
Code: ML
Grade: 2
Credit Hours: 3
====  x  ====

Name: Jonathan
Age: 22
Credit Hours: 6
GPA: 3.25
Number of Courses: 2
====student courses====
-----
Title: English
Code: ENC
Grade: 3.5
Credit Hours: 3
-----
Title: Comp Progr
Code: COP
Grade: 3
Credit Hours: 3
====  x  ====

Name: Lisa
Age: 23
Credit Hours: 10
GPA: 2
Number of Courses: 3
====student courses====
-----
Title: Physics
Code: PHY
Grade: 1
Credit Hours: 4
-----
Title: arts
Code: ART
Grade: 2
```

Credit Hours: 2

Title: Chemistry

Code: CHM

Grade: 3

Credit Hours: 4

==== x ====

Name: Thor

Age: 25

Credit Hours: 4

GPA: 4

Number of Courses: 1

====student courses====

Title: Physics

Code: PHY

Grade: 4

Credit Hours: 4

==== x ====

Please select one of the following:

- (1) Print all records
- (2) Print the record for a single student
- (3) Add a student
- (4) Delete a student
- (5) Add a course to a student
- (6) Delete a course from a student
- (0) EXIT

2

choose the desired student

- (1)student ID: 10, student name: Josh
- (2)student ID: 20, student name: Mike
- (3)student ID: 30, student name: Jonathan
- (4)student ID: 40, student name: Lisa
- (5)student ID: 50, student name: Thor

4

Name: Lisa

Age: 23

Credit Hours: 10

GPA: 2

```
Number of Courses: 3
====student courses====
-----
Title: Physics
Code: PHY
Grade: 1
Credit Hours: 4
-----
Title: arts
Code: ART
Grade: 2
Credit Hours: 2
-----
Title: Chemistry
Code: CHM
Grade: 3
Credit Hours: 4
====  x  ====
```

Please select one of the following:

- (1) Print all records
- (2) Print the record for a single student
- (3) Add a student
- (4) Delete a student
- (5) Add a course to a student
- (6) Delete a course from a student
- (0) EXIT

3

student id: 60

student name: Benjamin

student age: 16

choose the desired course

- (1)Title: Physics, Code: PHY, Credit Hours: 4
- (2)Title: arts, Code: ART, Credit Hours: 2
- (3)Title: Chemistry, Code: CHM, Credit Hours: 4
- (4)Title: English, Code: ENC, Credit Hours: 3
- (5)Title: Comp Progr, Code: COP, Credit Hours: 3
- (6)Title: MachineLearning, Code: ML, Credit Hours: 3

1

student grade in this class:

3

```
enter y if you want to continue adding courses,
otherwise enter n
y
choose the desired course
(1)Title: Physics, Code: PHY, Credit Hours: 4
(2)Title: arts, Code: ART, Credit Hours: 2
(3)Title: Chemistry, Code: CHM, Credit Hours: 4
(4)Title: English, Code: ENC, Credit Hours: 3
(5)Title: Comp Progr, Code: COP, Credit Hours: 3
(6)Title: MachineLearning, Code: ML, Credit Hours: 3
5
student grade in this class:
3
enter y if you want to continue adding courses,
otherwise enter n
n
Please select one of the following:
(1) Print all records
(2) Print the record for a single student
(3) Add a student
(4) Delete a student
(5) Add a course to a student
(6) Delete a course from a student
(0) EXIT
4
choose the desired student
(1)student ID: 10, student name: Josh
(2)student ID: 20, student name: Mike
(3)student ID: 30, student name: Jonathan
(4)student ID: 40, student name: Lisa
(5)student ID: 50, student name: Thor
(6)student ID: 60, student name: Benjamin
1
deletion was succesfulPlease select one of the
following:
(1) Print all records
(2) Print the record for a single student
(3) Add a student
(4) Delete a student
(5) Add a course to a student
(6) Delete a course from a student
```

(0) EXIT

5

(1) choose student from list

choose the desired student

(1)student ID: 20, student name: Mike

(2)student ID: 30, student name: Jonathan

(3)student ID: 40, student name: Lisa

(4)student ID: 50, student name: Thor

(5)student ID: 60, student name: Benjamin

4

please add the courses for the student

(1) choose course from list

(2) create new course

1

choose the desired course

(1)Title: Physics, Code: PHY, Credit Hours: 4

(2)Title: arts, Code: ART, Credit Hours: 2

(3)Title: Chemistry, Code: CHM, Credit Hours: 4

(4)Title: English, Code: ENC, Credit Hours: 3

(5)Title: Comp Progr, Code: COP, Credit Hours: 3

(6)Title: MachineLearning, Code: ML, Credit Hours: 3

2

student grade in this class:

4

Please select one of the following:

(1) Print all records

(2) Print the record for a single student

(3) Add a student

(4) Delete a student

(5) Add a course to a student

(6) Delete a course from a student

(0) EXIT

6

choose the desired student

(1)student ID: 20, student name: Mike

(2)student ID: 30, student name: Jonathan

(3)student ID: 40, student name: Lisa

(4)student ID: 50, student name: Thor

(5)student ID: 60, student name: Benjamin

(6)student ID: 50, student name: Thor

1

```
choose the desired course
(1)Title: Physics, Code: PHY, Credit Hours: 4
(2)Title: arts, Code: ART, Credit Hours: 2
(3)Title: Chemistry, Code: CHM, Credit Hours: 4
(4)Title: English, Code: ENC, Credit Hours: 3
(5)Title: Comp Progr, Code: COP, Credit Hours: 3
(6)Title: MachineLearning, Code: ML, Credit Hours: 3
6
course has been deletedPlease select one of the
following:
(1) Print all records
(2) Print the record for a single student
(3) Add a student
(4) Delete a student
(5) Add a course to a student
(6) Delete a course from a student
(0) EXIT
1
Name: Mike
Age: 23
Credit Hours: 12
GPA: 3
Number of Courses: 2
====student courses====
-----
Title: English
Code: ENC
Grade: 4
Credit Hours: 3
-----
Title: Comp Progr
Code: COP
Grade: 3
Credit Hours: 3
====  x  ====

Name: Jonathan
Age: 22
Credit Hours: 6
GPA: 3.25
Number of Courses: 2
```

====student courses====

Title: English

Code: ENC

Grade: 3.5

Credit Hours: 3

Title: Comp Progr

Code: COP

Grade: 3

Credit Hours: 3

==== x ====

Name: Lisa

Age: 23

Credit Hours: 10

GPA: 2

Number of Courses: 3

====student courses====

Title: Physics

Code: PHY

Grade: 1

Credit Hours: 4

Title: arts

Code: ART

Grade: 2

Credit Hours: 2

Title: Chemistry

Code: CHM

Grade: 3

Credit Hours: 4

==== x ====

Name: Thor

Age: 25

Credit Hours: 4

GPA: 4

Number of Courses: 4

====student courses====

Title: Physics
Code: PHY
Grade: 4
Credit Hours: 4

Title: arts
Code: ART
Grade: 4
Credit Hours: 2

Title: Physics
Code: PHY
Grade: 4
Credit Hours: 4

Title: arts
Code: ART
Grade: 4
Credit Hours: 2

Title: Physics
Code: PHY
Grade: 4
Credit Hours: 4

Title: arts
Code: ART
Grade: 4
Credit Hours: 2

Title: Physics
Code: PHY
Grade: 4
Credit Hours: 4

Title: arts
Code: ART
Grade: 4
Credit Hours: 2

==== X ====

Name: Benjamin

Age: 16

Credit Hours: 2

GPA: 3

Number of Courses: 2

====student courses====

Title: Physics

Code: PHY

Grade: 3

Credit Hours: 4

Title: Comp Progr

Code: COP

Grade: 3

Credit Hours: 3

==== X ====

Name: Thor

Age: 25

Credit Hours: 4

GPA: 4

Number of Courses: 4

====student courses====

Title: Physics

Code: PHY

Grade: 4

Credit Hours: 4

Title: arts

Code: ART

Grade: 4

Credit Hours: 2

Title: Physics

Code: PHY

Grade: 4

Credit Hours: 4

```
-----  
Title: arts  
Code: ART  
Grade: 4  
Credit Hours: 2  
-----  
Title: Physics  
Code: PHY  
Grade: 4  
Credit Hours: 4  
-----  
Title: arts  
Code: ART  
Grade: 4  
Credit Hours: 2  
-----  
Title: Physics  
Code: PHY  
Grade: 4  
Credit Hours: 4  
-----  
Title: arts  
Code: ART  
Grade: 4  
Credit Hours: 2  
====  x  ====
```

Please select one of the following:

- (1) Print all records
- (2) Print the record for a single student
- (3) Add a student
- (4) Delete a student
- (5) Add a course to a student
- (6) Delete a course from a student
- (0) EXIT

0

thanks for using the system, enjoy your day!

Process finished with exit code 0