

PS. Must create .txt file first named: **studentRecords.txt**

- **MENU AND OPEN FILE:**

```
----- STUDENT RECORD MANAGEMENT SYSTEM -----

[1] Open File
[2] Save File
[3] Save as File
[4] Show All Students Record
[5] Show Student Record
[6] Add Student Record
[7] Edit Student Record
[8] Delete Student Record
[0] Exit

-----
---- Enter your choice: 1

File opened successfully.
```

- **MENU AND SAVE FILE**

```
----- STUDENT RECORD MANAGEMENT SYSTEM -----

[1] Open File
[2] Save File
[3] Save as File
[4] Show All Students Record
[5] Show Student Record
[6] Add Student Record
[7] Edit Student Record
[8] Delete Student Record
[0] Exit

-----
---- Enter your choice: 2

File saved successfully.
```

- **MENU AND ADD STUDENT RECORD (SUCCESSFULLY)**

```
----- STUDENT RECORD MANAGEMENT SYSTEM -----

[1] Open File
[2] Save File
[3] Save as File
[4] Show All Students Record
[5] Show Student Record
[6] Add Student Record
[7] Edit Student Record
[8] Delete Student Record
[0] Exit

-----
---- Enter your choice: 6

Enter student ID (6 digits): 310608
Enter student first name: Janna
Enter student last name: Quiban
Enter student class standing: 92
Enter student major exam grade: 100
Student record added successfully.
```

- **ADD RECORD, INVALID STUDENT ID**

```

----- STUDENT RECORD MANAGEMENT SYSTEM -----

[1] Open File
[2] Save File
[3] Save as File
[4] Show All Students Record
[5] Show Student Record
[6] Add Student Record
[7] Edit Student Record
[8] Delete Student Record
[0] Exit

-----
---- Enter your choice: 6

Enter student ID (6 digits): 12345
Invalid student ID. It must be a 6-digit number.

```

- **SHOW ALL RECORD, SORTED BY LAST NAME**

```

----- STUDENT RECORD MANAGEMENT SYSTEM -----

[1] Open File
[2] Save File
[3] Save as File
[4] Show All Students Record
[5] Show Student Record
[6] Add Student Record
[7] Edit Student Record
[8] Delete Student Record
[0] Exit

-----
---- Enter your choice: 4

OPTIONS FOR DISPLAYING ALL RECORDS
[1] Display records ordered by last name
[2] Display records ordered by grade
-----
Enter your choice: 1

STUDENT RECORDS (Sorted by Last Name)
-----
ID      Last Name    First Name    Class Standing  Exam Grade
-----
123456  Buddy        Jam           89.0            90.0
112233  Name         Default       70.0            79.0
310608  Quiban       Janna        92.0            100.0

```

- **SHOW ALL RECORD, SORTED BY GRADES**

```

----- STUDENT RECORD MANAGEMENT SYSTEM -----

[1] Open File
[2] Save File
[3] Save as File
[4] Show All Students Record
[5] Show Student Record
[6] Add Student Record
[7] Edit Student Record
[8] Delete Student Record
[0] Exit

-----
---- Enter your choice: 4

OPTIONS FOR DISPLAYING ALL RECORDS
[1] Display records ordered by last name
[2] Display records ordered by grade
-----
Enter your choice: 2

STUDENT RECORDS (Sorted by Grade)
-----
ID      Last Name    First Name    Class Standing  Exam Grade
-----
112233  Name           Default      70.0            79.0
123456  Buddy          Jam           89.0            90.0
310608  Quiban         Janna        92.0            100.0

```

- **SHOW RECORD, STUDENT FOUND**

```

----- STUDENT RECORD MANAGEMENT SYSTEM -----

[1] Open File
[2] Save File
[3] Save as File
[4] Show All Students Record
[5] Show Student Record
[6] Add Student Record
[7] Edit Student Record
[8] Delete Student Record
[0] Exit

-----
---- Enter your choice: 5

Enter student ID: 112233

Student Record Found:
ID: 112233
Name: Default Name
Class Standing: 70.0
Exam Grade: 79.0

```

- **SHOW RECORD, NO STUDENT FOUND**

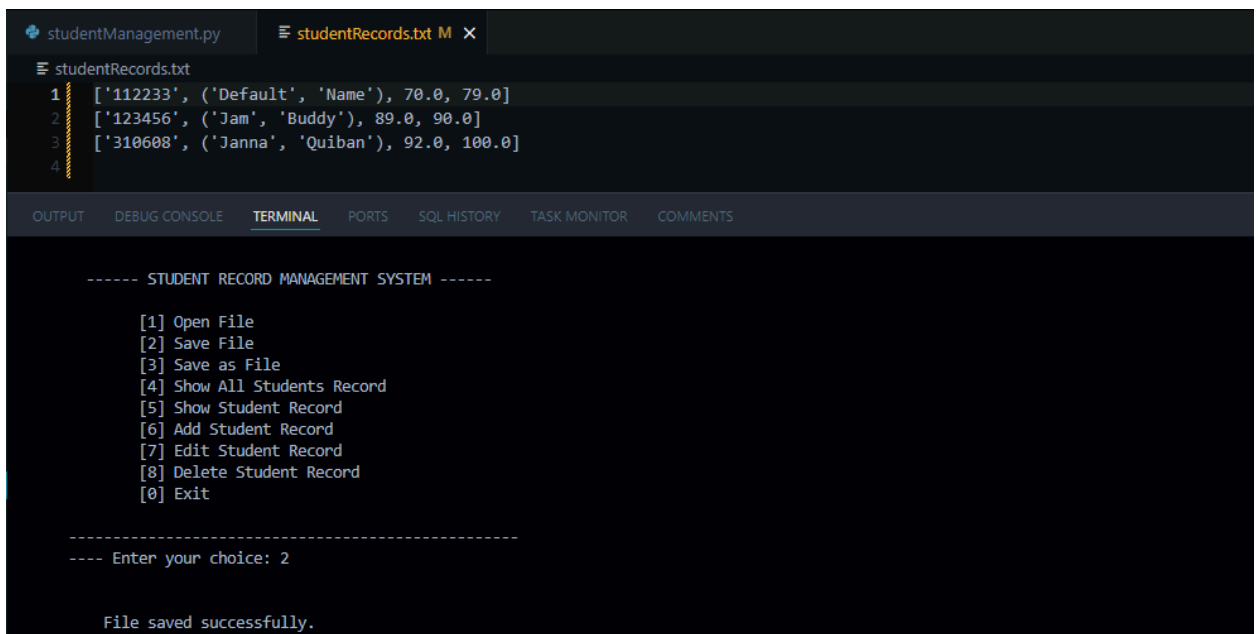
```
----- STUDENT RECORD MANAGEMENT SYSTEM -----

[1] Open File
[2] Save File
[3] Save as File
[4] Show All Students Record
[5] Show Student Record
[6] Add Student Record
[7] Edit Student Record
[8] Delete Student Record
[0] Exit

-----
---- Enter your choice: 5

Enter student ID: 111222
Student not found.
```

- **FILE SAVED**



The screenshot shows an IDE with two tabs: 'studentManagement.py' and 'studentRecords.txt'. The 'studentRecords.txt' tab is active, displaying a list of student records in a Python list format. Below the code editor, the 'TERMINAL' tab is active, showing the output of the 'studentManagement.py' script. The terminal output matches the first screenshot, but the user's choice is 2, and the message 'File saved successfully.' is displayed.

```
studentManagement.py  studentRecords.txt M X
studentRecords.txt
1 ['112233', ('Default', 'Name'), 70.0, 79.0]
2 ['123456', ('Jam', 'Buddy'), 89.0, 90.0]
3 ['310608', ('Janna', 'Quiban'), 92.0, 100.0]
4
OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS  SQL HISTORY  TASK MONITOR  COMMENTS
----- STUDENT RECORD MANAGEMENT SYSTEM -----

[1] Open File
[2] Save File
[3] Save as File
[4] Show All Students Record
[5] Show Student Record
[6] Add Student Record
[7] Edit Student Record
[8] Delete Student Record
[0] Exit

-----
---- Enter your choice: 2

File saved successfully.
```

- **EDIT STUDENT RECORD, UPDATED SUCCESSFULLY**

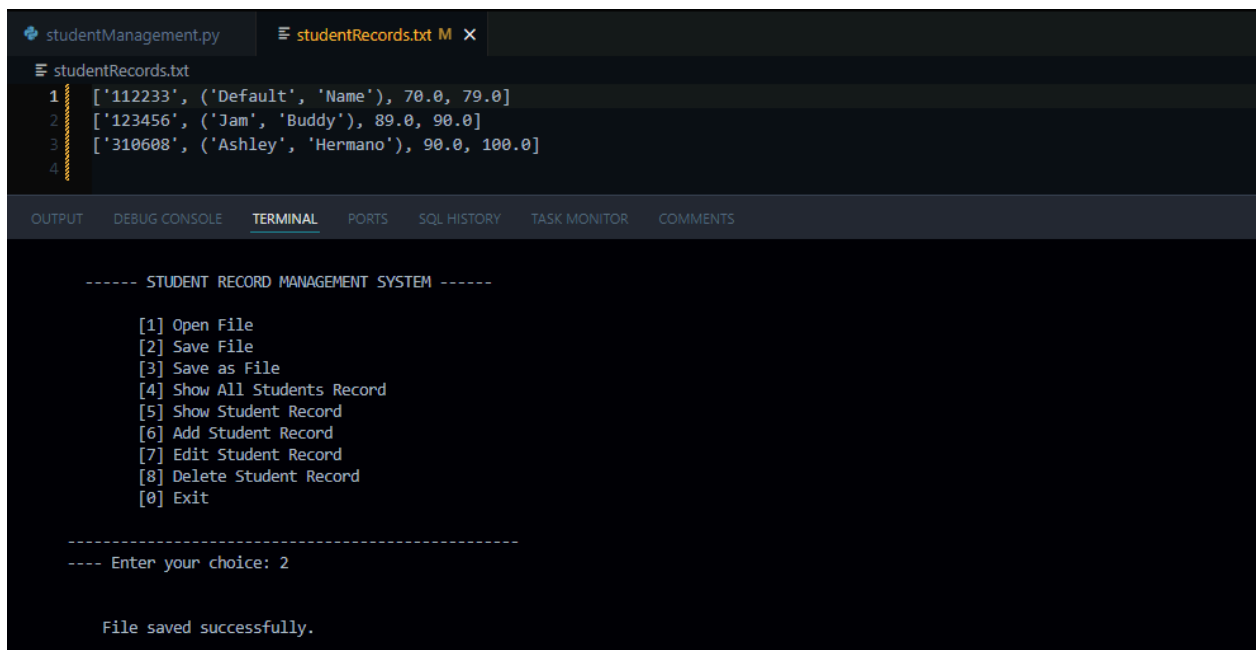
```
----- STUDENT RECORD MANAGEMENT SYSTEM -----

[1] Open File
[2] Save File
[3] Save as File
[4] Show All Students Record
[5] Show Student Record
[6] Add Student Record
[7] Edit Student Record
[8] Delete Student Record
[0] Exit

-----
---- Enter your choice: 7

Enter student ID to edit: 310608
Enter student first name: Ashley
Enter student last name: Hermano
Enter student class standing: 90
Enter student major exam grade: 100
Student record updated successfully.
```

- **SAVED FILE, UPDATED RECORD**



The screenshot shows an IDE with two tabs: `studentManagement.py` and `studentRecords.txt`. The `studentRecords.txt` tab is active, displaying a list of student records as tuples. Below the code editor, the `TERMINAL` tab is active, showing the output of the program. The terminal displays the same menu as the first screenshot, but with choice 2 selected. The output indicates that the file was saved successfully.

```
studentManagement.py  studentRecords.txt M X
studentRecords.txt
1 ['112233', ('Default', 'Name'), 70.0, 79.0]
2 ['123456', ('Jam', 'Buddy'), 89.0, 90.0]
3 ['310608', ('Ashley', 'Hermano'), 90.0, 100.0]
4
OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS  SQL HISTORY  TASK MONITOR  COMMENTS
----- STUDENT RECORD MANAGEMENT SYSTEM -----

[1] Open File
[2] Save File
[3] Save as File
[4] Show All Students Record
[5] Show Student Record
[6] Add Student Record
[7] Edit Student Record
[8] Delete Student Record
[0] Exit

-----
---- Enter your choice: 2

File saved successfully.
```

- **DELETE STUDENT RECORD**

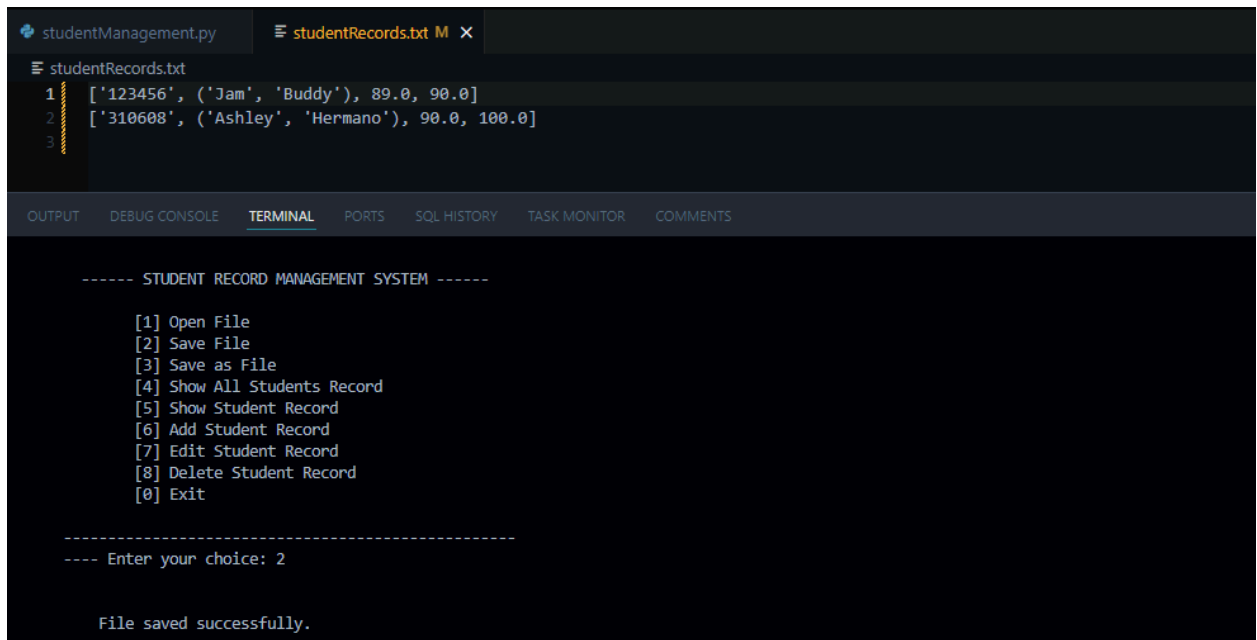
```
----- STUDENT RECORD MANAGEMENT SYSTEM -----

[1] Open File
[2] Save File
[3] Save as File
[4] Show All Students Record
[5] Show Student Record
[6] Add Student Record
[7] Edit Student Record
[8] Delete Student Record
[0] Exit

-----
---- Enter your choice: 8

Enter student ID to delete: 112233
Student record deleted successfully.
```

- **SAVED FILE, DELETED STUDENT RECORD**



The screenshot shows an IDE with two tabs: 'studentManagement.py' and 'studentRecords.txt M X'. The 'studentRecords.txt' tab is active, displaying a list of student records in a Python list format. Below the code editor, there is a terminal window with the same menu as the first screenshot. The user has entered choice '2' and the message 'File saved successfully.' is displayed.

```
studentManagement.py  studentRecords.txt M X
studentRecords.txt
1 ['123456', ('Jam', 'Buddy'), 89.0, 90.0]
2 ['310608', ('Ashley', 'Hermano'), 90.0, 100.0]
3

OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS  SQL HISTORY  TASK MONITOR  COMMENTS
----- STUDENT RECORD MANAGEMENT SYSTEM -----

[1] Open File
[2] Save File
[3] Save as File
[4] Show All Students Record
[5] Show Student Record
[6] Add Student Record
[7] Edit Student Record
[8] Delete Student Record
[0] Exit

-----
---- Enter your choice: 2

File saved successfully.
```

- **NEW RECORD**

```
----- STUDENT RECORD MANAGEMENT SYSTEM -----

[1] Open File
[2] Save File
[3] Save as File
[4] Show All Students Record
[5] Show Student Record
[6] Add Student Record
[7] Edit Student Record
[8] Delete Student Record
[0] Exit

-----
---- Enter your choice: 4

OPTIONS FOR DISPLAYING ALL RECORDS
[1] Display records ordered by last name
[2] Display records ordered by grade
-----
Enter your choice: 1

STUDENT RECORDS (Sorted by Last Name)
-----
ID      Last Name    First Name    Class Standing  Exam Grade
-----
123456  Buddy         Jam           89.0            90.0
310608  Hermano       Ashley        90.0            100.0
```

- **INVALID INPUT**

```
----- STUDENT RECORD MANAGEMENT SYSTEM -----

[1] Open File
[2] Save File
[3] Save as File
[4] Show All Students Record
[5] Show Student Record
[6] Add Student Record
[7] Edit Student Record
[8] Delete Student Record
[0] Exit

-----
---- Enter your choice: 9

Invalid input. Please try again.
```

- **EXIT**

```
----- STUDENT RECORD MANAGEMENT SYSTEM -----

[1] Open File
[2] Save File
[3] Save as File
[4] Show All Students Record
[5] Show Student Record
[6] Add Student Record
[7] Edit Student Record
[8] Delete Student Record
[0] Exit

-----
---- Enter your choice: 0

PS C:\Users\Janna Ashley\OneDrive\Documents\GitHub\it0011_Quiban>
```