ACTIVITY 04: LIST AND TUPLE

Create a record	l management	program	given a	list of	students	records.	Each	record	must	be a
tuple consist of	f the following	z :								

Student ID: This must be a six digit number
Student Name: Consist of first name and last name (you may set the fullname as
tuple)
Student Class Standing: The student class standing grade
Major Exam Grade: Exam grade of the student

The program must provide the following menu

	Open File	
	Save File	
	Save As F	ile
	Show All	Students Record
	0	Order by last name
	0	Order by grade (grade must be the 60% of Class Standing and 40% of
		Major Exam)
	Show Stud	dent Record
	Add Reco	rd
	Edit Reco	rd
П	Delete Re	cord

ADD RECORD / OPTION 8:

~ STUDENT RECORD MANAGEMENT SYSTEM ~ By Pauline Mapoy [1] - Open File [2] - Save File [3] - Save As File [4] - Show All Students Record

[4] - Show All Students Record [5] - Order by Last Name

[6] - Order by Grade

[7] - Show a Student Record

[8] - Add Record [9] - Edit Record

[10] - Delete Record

[11] - Exit

Enter your choice: 8

Enter Student ID (6-digit number): 456789

Enter First Name: George Enter Last Name: Smith

Enter Class Standing Grade: 55.0 Enter Major Exam Grade: 42.0

STUDENT RECORD ADDED :)

ALL STUDENT RECORDS:

ID	Name	Class Standing	Major Exam	Final Grade
456789	George Smith	55.00	42.00	49.80

EDIT RECORD / OPTION 9:

~ STUDENT RECORD MANAGEMENT SYSTEM ~ By Pauline Mapoy

[1] - Open File

[2] - Save File

[3] - Save As File

[4] - Show All Students Record

[5] - Order by Last Name

[6] - Order by Grade

[7] - Show a Student Record

[8] - Add Record

[9] - Edit Record

[10] - Delete Record

[11] - Exit

Enter your choice: 9

Enter Student ID to Edit: 456789
Enter New First Name: George

Enter New First Name: George Enter New Last Name: Stone

Enter New Class Standing Grade: 50.0 Enter New Major Exam Grade: 40.0

STUDENT RECORD UPDATED :)

ALL STUDENT RECORDS:

ID	Name	Class Standing	Major Exam	Final Grade
456789	George Stone	50.00	40.00	46.00

DELETE RECORD / OPTION 10:

~ STUDENT RECORD MANAGEMENT SYSTEM ~ By Pauline Mapoy _____ [1] - Open File [2] - Save File [3] - Save As File [4] - Show All Students Record [5] - Order by Last Name [6] - Order by Grade [7] - Show a Student Record [8] - Add Record [9] - Edit Record [10] - Delete Record [11] - Exit Enter your choice: 10 Enter Student ID to Delete: 456789 STUDENT RECORD DELETED (if it existed)

~ STUDENT RECORD MANAGEMENT SYSTEM ~ By Pauline Mapoy [1] - Open File [2] - Save File [3] - Save As File [4] - Show All Students Record [5] - Order by Last Name [6] - Order by Grade [7] - Show a Student Record [8] - Add Record [9] - Edit Record [10] - Delete Record [11] - Exit Enter your choice: 4 ALL STUDENT RECORDS: No Student Records Found :(

EXIT / OPTION 11:

 \sim STUDENT RECORD MANAGEMENT SYSTEM \sim By Pauline Mapoy

[1] - Open File

[2] - Save File

[3] - Save As File

[4] - Show All Students Record

[5] - Order by Last Name

[6] - Order by Grade

[7] - Show a Student Record

[8] - Add Record

[9] - Edit Record

[10] - Delete Record

[11] - Exit

Enter your choice: 11

THANK YOU FOR USING THE PROGRAM Come Back Again! :)

OPEN FILE / OPTION 1:

 \sim STUDENT RECORD MANAGEMENT SYSTEM \sim By Pauline Mapoy

[1] - Open File

[2] - Save File

[3] - Save As File

[4] - Show All Students Record

[5] - Order by Last Name

[6] - Order by Grade

[7] - Show a Student Record

[8] - Add Record

[9] - Edit Record

[10] - Delete Record

[11] - Exit

Enter your choice: 1

Enter filename to open: StudentRecords2.csv Records loaded from StudentRecords2.csv successfully!

 \sim STUDENT RECORD MANAGEMENT SYSTEM \sim By Pauline Mapoy

[1] - Open File

[2] - Save File

[3] - Save As File

[4] - Show All Students Record

[5] - Order by Last Name

[6] - Order by Grade

[7] - Show a Student Record [8] - Add Record

[9] - Edit Record

[10] - Delete Record

[11] - Exit

Enter your choice: 4

ALL STUDENT RECORDS:

ID	Name	Class Standing	Major Exam	Final Grade
123456	Pauline Mapoy	22.00	48.00	32.40
234567	James Mackay	30.00	58.00	41.20
345678	Reece Bibby	65.00	70.00	67.00

Act4_RecordManagement.py StudentRecords2.csv × ■ StudentRecords2.csv Student ID, First Name, Last Name, Class Standing, Major Exam 1 123456, Pauline, Mapoy, 22.0, 48.0 2 234567, James, Mackay, 30.0, 58.0 3 345678, Reece, Bibby, 65.0, 70.0

SHOW ALL STUDENTS RECORD / OPTION 4:

 \sim STUDENT RECORD MANAGEMENT SYSTEM \sim By Pauline Mapoy

[1] - Open File [2] - Save File [3] - Save As File [4] - Show All Students Record [5] - Order by Last Name

[6] - Order by Cast Name
[6] - Order by Grade
[7] - Show a Student Record
[8] - Add Record
[9] - Edit Record
[10] - Delete Record

[11] - Exit

Enter your choice: 4

ALL STUDENT RECORDS:

ID	Name	Class Standing	Major Exam	Final Grade
234567	James Mackay	30.00	58.00	41.20
345678	Reece Bibby	65.00	70.00	67.00
567891	Blake Richardson	90.00	77.00	84.80
678912	Bailee Madison	66.00	80.00	71.60
789123	Adriana Lima	45.00	70.00	55.00
891234	Erika Mojica	90.00	58.00	77.20
912345	Heaven Mapoy	48.00	40.00	44.80

ORDER BY LAST NAME / OPTION 5:

 \sim STUDENT RECORD MANAGEMENT SYSTEM \sim By Pauline Mapoy

[1] - Open File [2] - Save File

[3] - Save As File [4] - Show All Students Record

[5] - Order by Last Name [6] - Order by Grade [7] - Show a Student Record [8] - Add Record

[9] - Edit Record

[10] - Delete Record

Enter your choice: 5

STUDENTS ORDERED BY LAST NAME:

ID	Name	Class Standing	Major Exam	Final Grade
345678	Reece Bibby	65.00	70.00	67.00
789123	Adriana Lima	45.00	70.00	55.00
234567	James Mackay	30.00	58.00	41.20
678912	Bailee Madison	66.00	80.00	71.60
912345	Heaven Mapoy	48.00	40.00	44.80
891234	Erika Mojica	90.00	58.00	77.20
567891	Blake Richardson	90.00	77.00	84.80

ORDER BY GRADE / OPTION 6:

\sim STUDENT RECORD MANAGEMENT SYSTEM \sim By Pauline Mapoy

[1] - Open File [2] - Save File

[3] - Save As File

[4] - Show All Students Record

[5] - Order by Last Name

[6] - Order by Grade

[7] - Show a Student Record

[8] - Add Record

[9] - Edit Record

[10] - Delete Record

[11] - Exit

Enter your choice: 6

STUDENTS ORDERED BY FINAL GRADE:

ID	Name	Class Standing	Major Exam	Final Grade
567891	Blake Richardson	90.00	77.00	84.80
891234	Erika Mojica	90.00	58.00	77.20
678912	Bailee Madison	66.00	80.00	71.60
345678	Reece Bibby	65.00	70.00	67.00
789123	Adriana Lima	45.00	70.00	55.00
912345	Heaven Mapoy	48.00	40.00	44.80
234567	James Mackay	30.00	58.00	41.20

SHOW A STUDENT RECORD / OPTION 7:

~ STUDENT	RECORD	MANAGEMENT	SYSTEM	~
	By Pai	uline Mapoy		

[1] - Open File

[2] - Save File

[3] - Save As File

[4] - Show All Students Record

[5] - Order by Last Name

[6] - Order by Grade

[7] — Show a Student Record

[8] - Add Record

[9] - Edit Record

[10] - Delete Record [11] - Exit

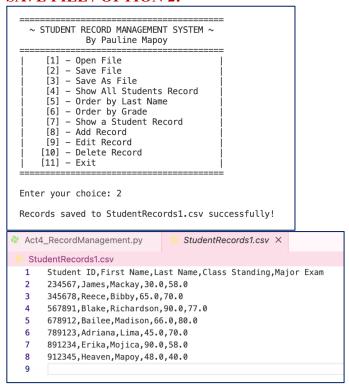
Enter your choice: 7

Enter Student ID: 345678

STUDENT RECORD

ID	Name	Class Standing	Major Exam	Final Grade
345678	Reece Bibby	65.00	70.00	67.00

SAVE FILE / OPTION 2:



SAVE AS FILE / OPTION 3:

