



TERMINAL/ CMD OUTPUT

BULSURD | JERSON REYES

BULSURD

STUDENT RECORDS VIA TERMINAL | IT-105 | JERSON REYES

+-----+
| MENU STARTS HERE |
+-----+

- [1] Add student records
- [2] Delete student records
- [3] Update student records
- [4] View all student records
- [5] Calculate the final grade of a selected student
- [6] Show student who gets the max total score
- [7] Show student who gets the min total score
- [8] Find student by ID
- [9] Sort records by total scores
- [10] Sort records by student's name

- [M] Display the Menu
- [X] Exit the Program

M

S T A R T U P
SCREENSHOT

Enter task: 1

Enter Student 1 Name | 4214

Only letters are allowed. Please re-enter.

Enter Student 1 Name		Jerson Reyes
Enter ID number		4344
Enter Sex		P

Please enter a valid option between M and F
Enter Sex | f
Score in Quiz | asd

1

N E W
SCREENSHOT

You are entering a non-numerical value in a student's grade.
Score in Quiz | 74
Score in Assignment | 10
Score in Midterm Exam | 74
Score in Final Exam | 74
Score in Activity | 74
Score in Project | 74

• • •

UNTIL STUDENT 25



Enter task: 2

Showing 25 Available Students

ID NUMBER	NAME	SEX	TOTAL SCORE
1234	Rapha Castillo	M	532
1122	Johanna Cruz	F	545
1434	Asher Hernandez	M	527
7777	Jerson Reyes	M	360
9999	Jorge Fajardo	M	570
6666	Louise Calooy	M	518
4033	Kristian Joel	M	271
4998	John Doe	M	383
4444	JM Morada	M	545
3433	Nicole Reyes	F	559
1344	Irix Romero	F	563
0943	Miko Santos	M	545
4885	Aldrei Torres	M	538
9843	April Iglesia	F	463
9876	Ryan Villatema	M	562
4003	Prince Buragay	M	527
8794	Mizraim Cano	F	575
6834	Evan Cunanan	M	536
4002	Edit Test	M	541
8884	Andrei Bernabe	M	563
8084	Eunnise Bangay	F	550
9998	Shaira Fruto	F	545
1101	Jude Emmanuel	M	464
4434	Orland Dionisio	M	536
4884	Alex Marcelo	M	537

Enter ID of student record to delete: 7777

You are about to delete Jerson Reyes with the ID 7777 from your records.

Please enter Y to continue or enter any key to cancel: Y

2

DELETE
SCREENSHOT

Enter task: 4

Showing 24 Available Students

ID NUMBER	NAME	SEX	TOTAL SCORE
1234	Rapha Castillo	M	532
1122	Johanna Cruz	F	545
1434	Asher Hernandez	M	527
9999	Jorge Fajardo	M	570
6666	Louise Calooy	M	518
4033	Kristian Joel	M	271
4998	John Doe	M	383
4444	JM Morada	M	545
3433	Nicole Reyes	F	559
1344	Irix Romero	F	563
0943	Miko Santos	M	545
4885	Aldrei Torres	M	538
9843	April Iglesia	F	463
9876	Ryan Villatema	M	562
4003	Prince Buragay	M	527
8794	Mizraim Cano	F	575
6834	Evan Cunanan	M	536
4002	Edit Test	M	541
8884	Andrei Bernabe	M	563
8084	Eunnise Bangay	F	550
9998	Shaira Fruto	F	545
1101	Jude Emmanuel	M	464
4434	Orland Dionisio	M	536
4884	Alex Marcelo	M	537

LIST
SCREENSHOT

Enter task:



3

U P D A T E
SCREENSHOT

Enter task: 3

Found 25 Student Records

ID NUMBER	NAME	SEX	TOTAL SCORE
1234	Rapha Castillo	M	532
1122	Johanna Cruz	F	545
1434	Asher Hernandez	M	527
7777	Jerson Reyes	M	360
9999	Jorge Fajardo	M	570
6666	Louise Calooy	M	518
4033	Kristian Joel	M	271
4998	John Doe	M	383
4444	JM Morada	M	545
3433	Nicole Reyes	F	559
1344	Irix Romero	F	563
0943	Miko Santos	M	545
4885	Aldrei Torres	M	538
9043	April Iglesia	F	463
9876	Ryan Villatema	M	562
4003	Prince Buragay	M	527
8794	Mizraim Cano	F	575
6834	Evan Cunanan	M	536
8004	John Concepcion	M	548
8884	Andrei Bernabe	M	563
8084	Eunnisse Bangay	F	550
9998	Shaira Fruto	F	545
1101	Jude Emmanuel	M	464
4434	Orland Dionisio	M	536
4884	Alex Marcelo	M	537

Enter ID of student to be modified: 8004

Enter Student 19 Name | Edit Test
Enter ID number | 4003

ID already taken. Please enter another ID.

Enter ID number | 4002
Enter Sex | M
Score in Quiz | 140
Score in Assignment | 10
Score in Midterm Exam | 99
Score in Final Exam | 99
Score in Activity | 94
Score in Project | 99

Enter task: 4

Found 25 Student Records

ID NUMBER	NAME	SEX	TOTAL SCORE
1234	Rapha Castillo	M	532
1122	Johanna Cruz	F	545
1434	Asher Hernandez	M	527
7777	Jerson Reyes	M	360
9999	Jorge Fajardo	M	570
6666	Louise Calooy	M	518
4033	Kristian Joel	M	271
4998	John Doe	M	383
4444	JM Morada	M	545
3433	Nicole Reyes	F	559
1344	Irix Romero	F	563
0943	Miko Santos	M	545
4885	Aldrei Torres	M	538
9043	April Iglesia	F	463
9876	Ryan Villatema	M	562
4003	Prince Buragay	M	527
8794	Mizraim Cano	F	575
6834	Evan Cunanan	M	536
4002	Edit test	M	541
8884	Andrei Bernabe	M	563
8084	Eunnisse Bangay	F	550
9998	Shaira Fruto	F	545
1101	Jude Emmanuel	M	464
4434	Orland Dionisio	M	536
4884	Alex Marcelo	M	537

4

L I S T
SCREENSHOT

**Enter task: 5**

ID NUMBER	Name	Sex	Total Score
1234	Rapha Castillo	M	532
1122	Johanna Cruz	F	545
1434	Asher Hernandez	M	527
7777	Jerson Reyes	M	360
9999	Jorge Fajardo	M	570
6666	Louise Calooy	M	518
4033	Kristian Joel	M	271
4998	John Doe	M	383
4444	JM Morada	M	545
3433	Nicole Reyes	F	559
1344	Irix Romero	F	563
0943	Miko Santos	M	545
4885	Aldrei Torres	M	538
9043	April Iglesia	F	463
9876	Ryan Villatema	M	562
4003	Prince Buragay	M	527
8794	Mizraim Cano	F	575
6834	Evan Cunanan	M	536
8004	John Concepcion	M	548
8884	Andrei Bernabe	M	563
8084	Eunnise Bangay	F	550
9998	Shaira Fruto	F	545
1101	Jude Emmanuel	M	464
4434	Orland Dionisio	M	536
4884	Alex Marcelo	M	537

Enter ID of student to be computed: 2440

OOPS! ID doesn't seem to match any records!
Enter !exit to choose other options.

Enter ID of student to be computed: 1234

Showing Final Grade			
ID NUMBER	Name	Final Grade	Remarks
1234	Rapha Castillo	87.43	Passed

Enter task: 6

Showing Student List			
ID NUMBER	Name	Sex	Total Score
4033	Kristian Joel	M	271

5COMPUTE
SCREENSHOT**Enter task: 7**

Showing Student List			
ID NUMBER	Name	Sex	Total Score
8794	Mizraim Cano	F	575

6MINIMUM
SCREENSHOT**Enter task: 8**MAXIMUM
SCREENSHOT



```
Enter task: 8  
Enter ID of student to find: 2022  
OOPS! ID doesn't seem to match any records!
```

```
Enter ID of student to find: 7777
```

```
Showing Student List  
=====
```

ID NUMBER	NAME	SEX	TOTAL SCORE
7777	Jerson Reyes	M	360

```
Enter task: 9
```

```
Showing Grade Sorted  
=====
```

ID NUMBER	NAME	SEX	FINAL GRADE
8794	Mizraim Cano	F	95.53
9999	Jorge Fajardo	M	91.67
1344	Irix Romero	F	90.62
8884	Andrei Bernabe	M	90.57
9876	Ryan Villatema	M	90.45
3433	Nicole Reyes	F	90.00
1122	Johanna Cruz	F	89.08
0943	Miko Santos	M	88.08
8084	Eunnise Bangay	F	88.03
8004	John Concepcion	M	87.90
4444	JM Morada	M	87.90
9998	Shaira Fruto	F	87.68
1234	Rapha Castillo	M	87.43
4885	Aldrei Torres	M	86.90
4884	Alex Marcelo	M	86.42
4434	Orland Dionisio	M	86.25
6834	Evan Cunanan	M	85.92
1434	Asher Hernandez	M	84.55
4003	Prince Buragay	M	83.12
6666	Louise Calooy	M	81.98
1101	Jude Emmanuel	M	75.70
9043	April Iglesia	F	73.62
4998	John Doe	M	61.58
7777	Jerson Reyes	M	55.83
4033	Kristian Joel	M	45.08

```
Enter task: 10
```

```
Showing Alphabetically Sorted  
=====
```

ID NUMBER	NAME	SEX	FINAL GRADE
4885	Aldrei Torres	M	86.90
4884	Alex Marcelo	M	86.42
8884	Andrei Bernabe	M	90.57
9043	April Iglesia	F	73.62
1434	Asher Hernandez	M	84.55
8084	Eunnise Bangay	F	88.03
6834	Evan Cunanan	M	85.92
1344	Irix Romero	F	90.62
4444	JM Morada	M	87.90
7777	Jerson Reyes	M	55.83
1122	Johanna Cruz	F	89.08
8004	John Concepcion	M	87.90
4998	John Doe	M	61.58
9999	Jorge Fajardo	M	91.67
1101	Jude Emmanuel	M	75.70
4033	Kristian Joel	M	45.08
6666	Louise Calooy	M	81.98
0943	Miko Santos	M	88.08
8794	Mizraim Cano	F	95.53
3433	Nicole Reyes	F	90.00
4434	Orland Dionisio	M	86.25
4003	Prince Buragay	M	83.12
1234	Rapha Castillo	M	87.43
9876	Ryan Villatema	M	90.45
9998	Shaira Fruto	F	87.68

```
Enter task: ■
```

8

FIND
SCREENSHOT

9

SORT
BY GRADE

10

SORT
BY NAME



Press any key to continue... █



E X I T
SCREENSHOT

ADDING AFTER THE MAXIMUM ALLOWED AMOUNT
OF STUDENTS IS REACHED

Enter task: 1
You've reached the maximum amount of students allowed in a class.
Consider deleting? Enter 2 to remove old students.

CHOOSING OPTIONS 2 TO 10 WHILST NOT HAVING ANY STUDENT
RECORD, ALSO SHOWS AFTER DELETING ALL STUDENTS

Enter task: 2
You have not added any students yet. Please add records.

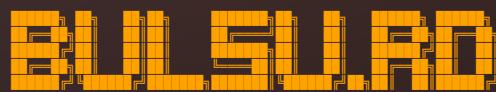
NON-EXISTING MENU OPTION

Enter task: f
You've entered an invalid option. Please try again.

ENTERING BLANK NAMES

Enter Student 1 Name |
Name is a requirement. Please fill in.

DOCUMENTATION:



ERRORS: Every process has error shown if violated.

Input guards are placed on every run and sometimes when calls start.

DISCLAIMER: There are still existing bugs which are not worth trying to fix :)

FUNCTIONS:

Record viewing, finding, sorting and final grade calculations are handled by the same function.
(including finding highest and lowest grade holder)

Available values:

records to show: all, id (record finding), highest_total_score, lowest_total_score, final_grade;
id: default, value;
sortation type: name, score;
output_type: default, print, print_ask;

Format:

```
showData("amount of records", "id" "sortation type", "output type");  
=====
```

Adding, deleting, and modifying records are also handled by a single function.

available values: new, delete, update;

Format:

```
process("type of task", "reference id");
```

Compiled and Run from Atom. Compatible with CodeBlocks Windows and Mac