Test Description

Below is a brief explanation of all of the tests found in test.txt. Requirements R1, R2, and R3 are satisfied in every single test and are not included in descriptions.

Test 1: R4
Expected Output:

S_Last	S_First	Grade	Classroom	T_Last	T_First
COOKUS	XUAN	3	107	FAFARD	ROCIO

Command: S COOKUS

Test 2: R5
Expected Output:

S_Last	S_First	Bus
COOKUS	XUAN	52

Command: S COOKUS B

Test 3: R6
Expected Output:

S_Last	S_First
COOKUS	XUAN
ELHADDAD	SHANTE
SWEDLUND	SHARRI
CIGANEK	MANIE
COVINGTON	TOMAS
EARLY	TORY
LINHART	LELA

Command: T FAFARD

Test 4: R7
Expected Output:

S_Last	S_First
COOKUS	XUAN
ELHADDAD	SHANTE
BRODERSEN	HYE
SWEDLUND	SHARRI
CIGANEK	MANIE
COVINGTON	TOMAS
EARLY	TORY
LINHART	LELA
THEUNISSEN	GRACE

Command: G 3

Test 5: R7
Expected Output:

S_Last	S_First	GPA	T_Last	T_First	Bus
SWEDLUND	SHARRI	3.24	FAFARD	ROCIO	55

Command: G 3 H

Test 6: R9
Expected Output:

S_Last	S_First	GPA	T_Last	T_First	Bus
CIGANEK	MANIE	2.79	FAFARD	ROCIO	53

Command : G 3 L

Test 7: R8
Expected Output:

S_Last	S_First	Grade	Classroom
COOKUS	XUAN	3	107
ELHADDAD	SHANTE	3	107
IMMERMAN	DEVIN	4	105
OBREIN	STAN	6	111
CORONADO	DIMPLE	6	102
SARAO	DIEDRA	2	108
EARLY	TORY	3	107
KEMERER	ROSETTA	6	102

Command: B 52

Test 8: R10
Expected Output:

Grade	GPA
3	3.048889

Command: A 3

Test 9: R11
Expected Output:

Grade	Count
1	2
2	13
3	9
4	15
6	21

Command: I
Test 10: E1
Expected Output:

No matching results found

Command: S KHARWA

Test 11: E1
Expected Output:
      No matching results found
Command: S KHARWA B

Test 12: E1
Expected Output:
      No matching results found
Command: T KHARWA

Test 13: E1
Expected Output:
      No matching results found
Command: S KHARWA A

Test 14: E1
Expected Output:
      No matching results found
Command: S KHARWA B A

Test 15: E1
Expected Output:
      Command Arguments Not Valid
Command: S

Test 16: E1
Expected Output:
      Command Arguments Not Valid
Command: T

Test 17: E1
Expected Output:
      Command Arguments Not Valid
Command: G

Test 18: E1
Expected Output:
      Command Arguments Not Valid
Command: B

Test 19: E1
Expected Output:
      Command Arguments Not Valid

Command: A

Test 20: E1
Expected Output:
        Command Arguments Not Valid
Command: G 7

Test 21: E1
Expected Output:
        Command Arguments Not Valid
Command: G 7 H

Test 22: E1
Expected Output:
        Command Arguments Not Valid
Command: G 7 L

Test 22: E1
Expected Output:
        No matching results found
Command: B 10000

Test 23: R10
Expected Output:
        No matching results found
Command: A 7

Test 24: R12
Expected Output:
        *Exits program
Command: Q