

CSE 102 HOMEWORK 2 PART 1

Handling the wrong inputs:

```
yusuf@ubuntu:~/Desktop$ ./part1
Enter student count:1
Not in Range!!!

Enter something between 3 - 50 !!!

Enter student count:2
Not in Range!!!

Enter something between 3 - 50 !!!

Enter student count:55
Not in Range!!!

Enter something between 3 - 50 !!!

Enter student count:50
61 37 45 76 66 71 100 53 12 44
29 3 60 53 73 93 64 56 11 13
36 23 82 61 83 9 40 89 7 25
12 34 28 57 76 94 27 42 13 5
52 42 8 11 95 82 3 24 3 81

-----
Student Score Calculator Menu for 50 Student
1)Most Successful Student
2)Most Unsuccessful Student
3)Letter Grade Statistics
4)Calculate Average
5)Show all Data
Make Selection: █
```

Showing most successful and unsuccessful student:

```
yusuf@ubuntu:~/Desktop$ ./part1
Enter student count:20
61 37 45 76 66 71 100 53 12 44
29 3 60 53 73 93 64 56 11 13

-----
Student Score Calculator Menu for 20 Student
1)Most Successful Student
2)Most Unsuccessful Student
3)Letter Grade Statistics
4)Calculate Average
5)Show all Data
                                Make Selection:1
Most Successful student:
Index: 7
Score: 100
-----
Student Score Calculator Menu for 20 Student
1)Most Successful Student
2)Most Unsuccessful Student
3)Letter Grade Statistics
4)Calculate Average
5)Show all Data
                                Make Selection:2
Most Unsuccessful student:
Index: 12
Score: 3
-----
Student Score Calculator Menu for 20 Student
1)Most Successful Student
2)Most Unsuccessful Student
3)Letter Grade Statistics
4)Calculate Average
5)Show all Data
                                Make Selection:1
```

Showing Letter Grades and Average Value:

```
yusuf@ubuntu:~/Desktop$ ./part1
Enter student count:20
61 37 45 76 66 71 100 53 12 44
29 3 60 53 73 93 64 56 11 13

-----
Student Score Calculator Menu for 20 Student
1)Most Successful Student
2)Most Unsuccessful Student
3)Letter Grade Statistics
4)Calculate Average
5)Show all Data
Make Selection:3
2 student got letter grade 'A'
0 student got letter grade 'B'
3 student got letter grade 'C'
4 student got letter grade 'D'
11 student got letter grade 'F'
-----
Student Score Calculator Menu for 20 Student
1)Most Successful Student
2)Most Unsuccessful Student
3)Letter Grade Statistics
4)Calculate Average
5)Show all Data
Make Selection:4
The average Score of 20 Student is 51.00
-----
Student Score Calculator Menu for 20 Student
1)Most Successful Student
2)Most Unsuccessful Student
3)Letter Grade Statistics
4)Calculate Average
5)Show all Data
Make Selection:
```

Showing All Info:

```
yusuf@ubuntu:~/Desktop$ ./part1
Enter student count:20
61 37 45 76 66 71 100 53 12 44
29 3 60 53 73 93 64 56 11 13

-----
Student Score Calculator Menu for 20 Student
1)Most Successful Student
2)Most Unsuccessful Student
3)Letter Grade Statistics
4)Calculate Average
5)Show all Data
                                Make Selection:5
Most Successful student:
Index: 7
Score: 100
Most Unsuccessful student:
Index: 12
Score: 3
2 student got letter grade 'A'
0 student got letter grade 'B'
3 student got letter grade 'C'
4 student got letter grade 'D'
11 student got letter grade 'F'
The average Score of 20 Student is 51.00
-----
Student Score Calculator Menu for 20 Student
1)Most Successful Student
2)Most Unsuccessful Student
3)Letter Grade Statistics
4)Calculate Average
5)Show all Data
                                Make Selection:█
```

Handling Wrong Inputs and exiting program when -1 is selection.

```
yusuf@ubuntu:~/Desktop$ ./part1
Enter student count:20
61 37 45 76 66 71 100 53 12 44
29 3 60 53 73 93 64 56 11 13

-----
Student Score Calculator Menu for 20 Student
1)Most Successful Student
2)Most Unsuccessful Student
3)Letter Grade Statistics
4)Calculate Average
5)Show all Data
Make Selection:6
False Selection!!!
Make Selection:10
False Selection!!!
Make Selection:0
False Selection!!!
Make Selection:-15
False Selection!!!
Make Selection:-10
False Selection!!!
Make Selection:1
Most Successful student:
Index: 7
Score: 100
-----
Student Score Calculator Menu for 20 Student
1)Most Successful Student
2)Most Unsuccessful Student
3)Letter Grade Statistics
4)Calculate Average
5)Show all Data
Make Selection:-1
Exiting program...
```

CSE 102 HOMEWORK 2 PART 2

Handling the numbers that not in range:

```
yusuf@ubuntu:~/Desktop$ ./part2
Please enter a number.
1
Please enter a valid number(between 23 - 98760)
10
Please enter a valid number(between 23 - 98760)
-1
Please enter a valid number(between 23 - 98760)
-20
Please enter a valid number(between 23 - 98760)
22
Please enter a valid number(between 23 - 98760)
98761
Please enter a valid number(between 23 - 98760)
53432
The fifth digit is 5
The fourth digit is 3
The third digit is 4
The second digit is 3
The first digit is 2
yusuf@ubuntu:~/Desktop$
```

Some examples of inputs:

```
yusuf@ubuntu:~/Desktop$ ./part2
Please enter a number.
23
The second digit is 2
The first digit is 3
yusuf@ubuntu:~/Desktop$ ./part2
Please enter a number.
232
The third digit is 2
The second digit is 3
The first digit is 2
yusuf@ubuntu:~/Desktop$ ./part2
Please enter a number.
5512
The fourth digit is 5
The third digit is 5
The second digit is 1
The first digit is 2
yusuf@ubuntu:~/Desktop$ ./part2
Please enter a number.
50039
The fifth digit is 5
The fourth digit is 0
The third digit is 0
The second digit is 3
The first digit is 9
yusuf@ubuntu:~/Desktop$
```