

HW02 PART 1 SCREN SHOTS:

in the first screen shot as you can see clearly when u enter a number which is not in the range between 3 and 50 it will show error and if you enter a number in the range then it will show you a menu of selection which also has the limitaion of selection between 1 and 5 if we enter the number which are not in these ranges so it will show and error and also the terminating number is pressing the -1.!!!

```
Activities Terminal Wed Mar 14, 17:01 ashrafyaware@ashraf-yawar: ~/Desktop/bil 102 HW/CSE_HW02/HW02_161044123
File Edit View Search Terminal Help
ashrafyaware@ashraf-yawar:~/Desktop/bil 102 HW/CSE_HW02/HW02_161044123$ gcc -c HW02part1.c
ashrafyaware@ashraf-yawar:~/Desktop/bil 102 HW/CSE_HW02/HW02_161044123$ gcc -o HW02part1 HW02part1.o
ashrafyaware@ashraf-yawar:~/Desktop/bil 102 HW/CSE_HW02/HW02_161044123$ ./HW02part1
Enter student count:
1
Not in Range!!!
Enter student count :
54
Not in Range!!!
Enter student count :
25
7 98 98 75 56 87 32 52 9 88 46 19 86 70 71 77 56 94 24 7
9 46 3 88 44 77
****_students score calculator Menu for 25 students_****
1) most successful student
2) most unsuccessful student
3) letter grade statistics
4) calculate average
5) show all data
Make selection:0
false selection!!!
****_students score calculator Menu for 25 students_****
1) most successful student
2) most unsuccessful student
3) letter grade statistics
4) calculate average
5) show all data
Make selection:
```

in the second screen shot you can see the results of th selected number from the menu which are the most successful and unsuccessful students details.

```
Activities Terminal Wed Mar 14, 17:05 ashrafyaware@ashraf-yawar: ~/Desktop/bil 102 HW/CSE_HW02/HW02_161044123
File Edit View Search Terminal Help
5) show all data
Make selection:0
false selection!!!
****_students score calculator Menu for 25 students_****
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 : 3
score :98
later grade : A
****_students score calculator Menu for 25 students_****
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 : 22
score : 3
later grade : F
****_students score calculator Menu for 25 students_****
1) most successful student
2) most unsuccessful student
3) letter grade statistics
4) calculate average
5) show all data
Make selection:
```

Same in selection 3 and 4:

```
Activities Terminal Wed Mar 14, 17:08 ashrafyaware@ashraf-yaware: ~/Desktop/bil 102 HW/CSE_HW02/HW02_161044123
File Edit View Search Terminal Help
Make selection:2
most unsuccessful student:
index : 22
score : 3
later grade : F
****_students score calculator Menu for 25 students_****

1) most successful student
2) most unsuccessful student
3) letter grade statistics
4) calculate average
5) show all data
Make selection:3
3 student got letter grade'A'
4 student got letter grade'B'
6 student got letter grade'C'
0 student got letter grade'D'
12 student got letter grade'F'
****_students score calculator Menu for 25 students_****

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 25 student is 58.96
****_students score calculator Menu for 25 students_****

1) most successful student
2) most unsuccessful student
3) letter grade statistics
4) calculate average
5) show all data
Make selection:
```

and in the last selection which 5 we can see the all four selections information in one click:
and when you press -1 it will terminate the program and com out of the program.

```
Activities Terminal Wed Mar 14, 17:10 ashrafyaware@ashraf-yaware: ~/Desktop/bil 102 HW/CSE_HW02/HW02_161044123
File Edit View Search Terminal Help

1) most successful student
2) most unsuccessful student
3) letter grade statistics
4) calculate average
5) show all data
Make selection:-
most successful student:
index : 3
score : 98
later grade : A

-----
most unsuccessful student:
index : 22
score : 3
later grade : F

-----
3 student got letter grade'A'
4 student got letter grade'B'
6 student got letter grade'C'
0 student got letter grade'D'
12 student got letter grade'F'

-----
the average score of 25 student is 58.96
****_students score calculator Menu for 25 students_****

1) most successful student
2) most unsuccessful student
3) letter grade statistics
4) calculate average
5) show all data
Make selection:-1
false selection!!!

ashrafyaware@ashraf-yaware:~/Desktop/bil 102 HW/CSE_HW02/HW02_161044123$
```

Hw02 part2:

in the part two of the hw02 we enter a number which has the digits between two digits and five digits as you can say below. the user will put a number whose digits are more than one and less than six and it will show their order and tell them and print them explicitly.

```
ashrafyaware@ashraf-yaware: ~/Desktop/bil 102 HW/CSE_HW02/HW02_161044123
File Edit View Search Terminal Help
ashrafyaware@ashraf-yaware:~/Desktop/bil 102 HW/CSE_HW02/HW02_161044123$ gcc -o HW02_mohammadashraf_yaware_161044123_part2 HW02_mohammadashraf_yaware_161044123_part2.o
ashrafyaware@ashraf-yaware:~/Desktop/bil 102 HW/CSE_HW02/HW02_161044123$ ./HW02_mohammadashraf_yaware_161044123_part2
Enter the number:
1
Not in Range!!!

Enter the number :
99999999
Not in Range!!!

Enter the number :
4572
Fourth digit is : 4
Third digit is : 5
second digit is : 7
First digit is : 2
ashrafyaware@ashraf-yaware:~/Desktop/bil 102 HW/CSE_HW02/HW02_161044123$ 44621
44621: command not found
ashrafyaware@ashraf-yaware:~/Desktop/bil 102 HW/CSE_HW02/HW02_161044123$ ./HW02_mohammadashraf_yaware_161044123_part2
Enter the number:
01248
Fourth digit is : 1
Third digit is : 2
second digit is : 4
First digit is : 8
ashrafyaware@ashraf-yaware:~/Desktop/bil 102 HW/CSE_HW02/HW02_161044123$ ./HW02_mohammadashraf_yaware_161044123_part2
Enter the number:
32001
Fifth digit is : 3
Fourth digit is : 2
Third digit is : 0
second digit is : 0
First digit is : 1
ashrafyaware@ashraf-yaware:~/Desktop/bil 102 HW/CSE_HW02/HW02_161044123$
```


