PART 1

```
osboxes@osboxes:~/Desktop$ gcc -c -ansi -pedantic -error l.c -Wall
osboxes@osboxes:~/Desktop$ gcc l.c -o exe -lm
osboxes@osboxes:~/Desktop$ ./exe
Enter student count:2


Not in Range!
Enter student count:51


Not in Range!
Enter student count:10


6 89 97 74 55 86 31 51 8 87

Student Score Calculator Menu for 10 Student

1)Show most successful student
2)Show most unsuccessful student
3)List the number of students for each letter grade
4)Show calculated average grade
5)Show all four options data


Make Selection:0


False Selection!!!

1)Show most successful student
2)Show most unsuccessful student
3)List the number of students for each letter grade
4)Show calculated average grade
5)Show all four options data


Make Selection:1


Show most successful student:
Index : 3
Score : 97
Letter Grade : A

1)Show most successful student
2)Show most unsuccessful student
3)List the number of students for each letter grade
4)Show calculated average grade
5)Show all four options data
```

```
Make Selection:2


Show most unsuccessful student:
Index : 1
Score : 6
Letter Grade : F

1)Show most successful student
2)Show most unsuccessful student
3)List the number of students for each letter grade
4)Show calculated average grade
5)Show all four options data


Make Selection:3


List the number of students for each letter grade:
1 student got letter grade 'A'
3 student got letter grade 'B'
1 student got letter grade 'C'
0 student got letter grade 'D'
5 student got letter grade 'F'

1)Show most successful student
2)Show most unsuccessful student
3)List the number of students for each letter grade
4)Show calculated average grade
5)Show all four options data
```

```
Make Selection:4


Show calculated average grade: 58.40

1)Show most successful student
2)Show most unsuccessful student
3)List the number of students for each letter grade
4)Show calculated average grade
5)Show all four options data


Make Selection:5


Show all four options data:

Index : 3
Score : 97
Letter Grade : A


Index : 1
Score : 6
Letter Grade : F


1 student got letter grade 'A'
3 student got letter grade 'B'
1 student got letter grade 'C'
0 student got letter grade 'D'
5 student got letter grade 'F'


The average score of 10 student is 58.40

1)Show most successful student
2)Show most unsuccessful student
3)List the number of students for each letter grade
4)Show calculated average grade
5)Show all four options data


Make Selection:-1


osboxes@osboxes:~/Desktop$
```

PART 2

```
osboxes@osboxes:~/Desktop$ gcc -c -ansi -pedantic -error z.c -Wall
osboxes@osboxes:~/Desktop$ gcc z.c -o exe -lm
osboxes@osboxes:~/Desktop$ ./exe
Enter the number: 22


You entered a wrong number.Please enter again.

Enter the number: 98761


You entered a wrong number.Please enter again.

Enter the number: 79045


The 5. digit is 7
The 4. digit is 9
The 3. digit is 0
The 2. digit is 4
The 1. digit is 5
osboxes@osboxes:~/Desktop$
```