Lab 4

Create a new Eclipse project named YourStudentId_Lab4 and add a class named Tester4 to the project.
Following grading reference table is simplified:

Score Range	Letter Grade	Letter Grade to 100-scale Score
100 ~ 80	A	87
70 ~ 79	B	75
60 ~ 69	C	65
50 ~ 59	D	55
1 ~ 49	E	49
0	X	0

1. Write a program that prompts the user for a score (0 ~ 100) then convert it to letter grade. If the value is not in 0 ~ 100, print "Out of range.".
   Sample output: (the green one is user input)

```
Please input a score(0~100): 90
A

Please input a score(0~100): 101
Out of range.
```

2. Write a program that prompts the user for a letter grade then converts it to a 100-scale score. If the value is not in A ~ E and X, print "Out of range.".
   Sample output: (the green one is user input)

```
Please input a Letter grade: B
75

Please input a Letter grade: F
Out of range.
```

3. Unit conversion. Write a unit conversion (for g, kg, and lb) program that prompts the user input a unit and a value, then convert it to the other two units. Hint: 1000g = 1kg, 1 lb = 0.45kg, 1kg = 2.2 lbs.
   Sample output: (the green one is user input)

```
Convert from (g, kg, lb)? g
Value? 4000
4000.0 g = 4.0 kg = 8.8 lbs

Convert from (g, kg, lb)? kg
Value? 6
6.0 kg = 6000.0 g = 13.200000000000001 lbs

Convert from (g, kg, lb)? lb
Value? 40
40.0 lbs = 18000.0 g = 18.0 kg
```

Submission: Submit your project as "zip (or rar) file" via WM5. No other submissions will be graded.

Reminder: Please zip the whole project

Deadline: Tomorrow's midnight (for both Mon56 and Tue23)