King Saud University
College of Computer & Information Science
CSC111
Lab Midterm Exam

A: 5 marks) Write a Java program that calculates the price for a flight passenger bag **BagPrice1**. The program first reads the passenger ticket number , ticket class (E or B) , the weight, and the destination then calculates the fee based on the following table:

Destination	Price (first 23KG) flat rate		Each additional 1KG	
	Class E	Class B	Class E	Class B
Domestic	10	8	1.5	1.2
International	15	12	2.5	1.5

Then it asks the user if he has a discount card. If he has a discount card, your program should print the total after 10% discount.
The bag cannot be more than 40 KG you should print NOT ALLOWED.
Here is a sample run of the program

SAMPLE RUN:

```
Please enter ticket number: 1234
Please enter ticket class (E or B): E
Enter the bag weight in KG: 32
Enter the destination: Domestic
Do you have a discount card? (Y/N): N
The total price for 32KG in domestic flight is: 23.5 SR
```

B. 5 marks) Convert your program into an interactive program that can handle more than one request. Write a new class named: **BagPrice2**. Your program should keep reading passenger ticket number , ticket class (E or B) , the weight, and the destination until user enter -1 as a ticket number. At this point your program should terminate.
Here is a sample run of the program

SAMPLE RUN

```
Please enter ticket number (-1 to exit): 1234
Please enter ticket class (E or B): E
Enter the bag weight in KG: 41
Enter the destination: Domestic
Do you have a discount card? (Y/N): N
Not Allowed
Please enter ticket number (-1 to exit): 1112
Please enter ticket class (E or B): B
Enter the bag weight in KG: 27
Enter the destination: International
Do you have a discount card? (Y/N): Y
The total price for 27KG in international flight is: 16.2 SR
Please enter ticket number (-1 to exit): -1
Thanks ! Goodbye!!
```