Due date: Today, at the end of the lab period.

Read this entire document before beginning your lab.

If you don't remember how to use the DOMJudge system, the *lab manual* is available on the course's Moodle page.

For this lab you are **required to fulfill all requirements exactly as described** in this provided document, no less, no more.

Question: Write the Java program for the given pseudocode. Using exactly **1 integer constant, 3 integer variables, and 1 Scanner variable** make sure to fulfill the following points:

1. Declare 1 constant integer called *COST* and set it to *25000*.
2. Declare 1 integer variable called *airmiles*.
3. Declare 1 integer variable called *flights*.
4. Declare 1 integer variable called *balance*.
5. Declare 1 Scanner variable that will record keyboard inputs.
6. Prompt the user through the console for an integer value for the number of air miles, and store the user's inputs in the variables *airmiles* and *discount* (use the same format and wording as the sample figure below).
7. Record the number of flights the user can redeem in the variable as the result of *airmiles / COST.*
8. Record the balance of the user's airmiles in the variable as the results of *airmiles % COST.*
9. Output in the console a blank line followed by the message

   `You can redeem <flights> short haul flights. The balance of your air miles will be <balance>.`

   where *<flights>*, and *<balance>* are the values stored in the corresponding variables.
   The boxes below illustrate how your program should behave and appear.

```
Enter◦the◦balance◦of◦your◦air◦miles?◦76876↵
↵
You◦can◦redeem◦3◦short◦haul◦flights.◦The◦balance◦of◦your◦air◦miles◦will◦be◦
1876.
```

REMEMBER in the output: ◦ is a space and ↵ is a new line. Text in green is user input.

Note 1: You are to expect a perfect user who will always enter a positive integer; that is, **do not** verify the validity of user input.

Note 2: The use of libraries other than *java.util.Scanner* is prohibited. Your program must work for any double value entered, not just the one in the sample box above.
Note 3: Final thought, remember that your solution is case-sensitive and space-sensitive, fulfill the above instructions carefully and precisely.

Reminder:
When submitting your solution to the lab system, make sure that if you have a `package` statement at the top of your `.java` file it is commented out (has // in front of it) as failing to do so will result in a ***Compilation Error*** hence a grade of 0 (restriction of the DOMJudge system).