The Problem:
Spring break is coming up. It is time to get ready for the vacation! Often the question is where can one go and how much money will be needed for the vacation.

The travel budget is often determined by the following three factors. The cost of the flight, the lodging per night and additional costs for food and entertainment.

To be able to compare different resorts and choose the best option we must determine the average cost per day for a given resort.
The travel agency needs YOU to develop a program that helps the company employees, as well as customers, calculate the number of days one can stay at vacation resort with a given budget.

**Getting Ready:**

Create another directory called hw2 or assignment2 as subdirectory of your cs12a directory.

For this assignment you will need to use tio package. You will need to set your CLASSPATH so that java and javac can find tio. Some of you have this already done in task 10 of lab1. The simplest way is to execute following line in your console:

```
setenv CLASSPATH ./afs/cats.ucsc.edu/courses/cmps012a-dh/tio.jar
```

**The Program:**

Your task is to write a program that asks the user to enter number of Days(Integer), Flight cost(Integer), Night(Integer) and Meals(Integer). After you have these inputs calculate Budget (Integer) and Average Cost (floating point) per day one can afford and print them nicely. Assume that the flight there arrives in the morning and the return flight departs in the evening.

To start open (create) in your favorite editor (pico, emacs, vi etc.) a new file TravelHelper.java First lines of your programs should always have the file name and the names and computer accounts of the program authors in comments.

```
// TravelHelper.java
// Author: Firstname Lastname account
// Author: Firstname Lastname account
// Date: 
// lab2 for the class cmgs12a ..
// Short description what this program does.
```

**The submission:**

To submit this assignment run the submit command out of your working directory.

```
submit cmgs012a-dh.w04 hw2 TravelHelper.java
```

Submit only your Java source code. Do not submit Java .class files. You can submit multiple times, only last version will be saved and graded.

To see your files use:

```
peek cmgs012a-dh.w04 hw2
```

**Grading:**

This assignment will be graded on a pass/fail basis. You can consult your lab tutor for more detailed feedback.

**Example run:**

```
> javac TravelHelper.java
> java TravelHelper
Welcome to the Travel Helper.
Please enter the (integer) flight cost for this trip.
200
Please enter the (integer) cost per night for this resort.
```
30
Please enter the (integer) daily cost of meals and entertainment.
35
Please enter how many days you wish to stay on this trip.
7
You need a budget of 625.

The average cost per day (based on 7 day trip) is: 89.28571428571429.

**Additional exercise:** The assigned program computes the required budget based on the costs and number of days. Design and write a second program, TravelHelper2, that computes the maximum number of days that can be afforded based on a given budget and the three costs. You should submit only your TravelHelper2.java file, but your lab tutor can provide comments on your TravelHelper2 program if desired.