CSC 260.002 Programming assignment 2
Due: Thursday, September 8

You have been asked by the Department of Computer Science to write a piece of software so that students can estimate their upcoming tuition and fees. Your program will ask the user a number of questions and based on their responses compute the tuition, the fees (if any), and a total. Your computations are based on the following inputs from the user (use a Scanner for input).

- State of residency (a String which should be a 2-letter abbreviation like KY, OH)
- Number of credit hours (int)
- Number of CIT courses (int)
- Whether the student is taking INF 120 or CSC 260 (a char which should be Y or N)
- Number of on-line credit hours being taken (int)
- If the state is OH, then if the student is in the metro area (a char which should be Y/N)

Also input the student's first and last names (Strings). Only input if the student is in the metro area if he/she is from OH. After inputting the above information, compute the tuition, fees and total as follows. KY and IN residents tuition is $375 per credit hour, OH students in the metro area tuition is $567 per credit hour and all other students (including OH outside of the metro area) is $750 per credit hour. Students taking above 12 credit hours are charged for 12 hours (that is, the tuition for 13 or 15 or 18 hours is the same as 12 hours).

There are three types of fees. For each CIT course (not hour), the fee is $120 (all CIT courses are 3 hours so in reality this is $40 per hour). If the student is taking either INF 120 or CSC 260, there is a $60 fee (note: students cannot take both courses at the same time so you only have to ask if the student is taking either course). For on-line courses, there is a $35 per *credit hour* fee. After computing the fees, compute the total cost to the student.

To test things like state is OH, metro is Y, student is taking INF 120/CSC 260, tuition > 12, you will have to use if statements, if-else statements and/or nested if-else statements. Part of what you will be graded over is the use of proper logic.

Here is an example of what the input and output might look like for your program.

```
Enter your first name  Richard
Enter your last name  Fox
Enter your state of residence as a 2-letter abbreviation (upper case) OH
Are you a Cincinnati resident? (Y/N)  Y
Enter the total credit hours for the upcoming semester  17
Enter the total number of CIT courses you are taking  3
Enter the total number of on-line credit hours you are taking  5
Are you taking one of INF 120 or CSC 260 (Y/N) N

Tuition Statement for Richard Fox
Wed Aug 17 08:41:11 EDT 2016
Tuition:  $6804
Fees      $535
Total     $7339
```

Notice that you have to output the time and date. To do so, use the Date class, which is part of the java.util package (which you will also need for the Scanner for input). You will have to create a Date variable and instantiate it. You can then output the date using that variable. For instance, if you named the variable date, then you could do `System.out.println(date);`

Run your program on the following 5 data sets. Obtain your input/output and copy and paste it to the bottom of your source code in comments. Print out and hand in your commented program including the input/output.

First	Richard	Frank	Ruth	Mike	Shauna	George
Last	Fox	Zappa	Underwood	Keneally	Harris	Duke
State	OH	IN	KY	OH	KY	TN
Metro	Y	--	--	N	--	--
Hours	17	9	21	11	16	12
CIT courses	3	2	5	1	2	4
On-line hours	5	3	2	0	6	0
INF120 / CSC260	N	Y	N	Y	Y	N