COSC 1010 - Assignment 1 (Fall 2011) Due date: Sept. 16th, 2011

(i) Write a Java application titled EmailParser.java. The application needs to ask the user for her or his school email address in the format firstname.lastname@schoolname.edu. The application takes as input this email address, parses the email and replies to the user with first name, last name and host name.

A sample run is given below for your convenience. User input is shown in bold.

```
java EmailParser
Please enter your email address (firstname.lastname@schoolname.edu) : john.smith@mu.edu
First Name: John
Last Name: Smith
Host Name: mu.edu
```

(ii) Write a program that determines the change to be dispensed from a vending machine. An item in the machine can cost between 25 cents and a dollar, in 5-cent increments (25, 30, 35, ...95, or 100), and assume the machine accepts only a single dollar bill to pay for the item. A sample dialog might be

```
java ChangeDispenser
Enter price of item (from 25 cents to a dollar, in 5-cent increments): 45
You bought an item for 45 cents and gave me a dollar, so your change is:
2 quarters
0 dimes, and
1 nickel
```

Note: Your programs should be neat and well documented. Follow all the java style and documentation guidelines explained in class and in your text book.

Submission: Upload source files on d2l.mu.edu before the class time on the due date, and also submit a paper copy of your submission in the class.