**Assignment #10:**

1. Implement the **Speaker** interface described below and create three classes that implement **Speaker** in various ways. Create a driver class whose main method instantiates some of these objects and test their abilities.

public interface Speaker {

public void speak();

public void announce( String str );

}

1. Write a program (main() method) that reads, from the terminal (screen), sequence of names and postal (ZIP) codes for individuals. Store the data in an object designed to store a first name (String), last name (String), and postal code (int). Assume each line of input will contain two strings followed by an integer value, each separated by a tab character. Users will type “quit” when they have completed input entry. After all input is complete, print the output of the input values by the user to the screen.

[Note]:

1. create an object that will store the first name (String), last name (String), postal code (int)

class Data {

public String firstName;

public String lastName;

public int postalCode;

}

Note:

* use Wrapper class to convert data type String to an int. eg: Integer.parseInt(“3”);
* use split method in String for “\t” to split input into String[] of tokens (words)

1. use ArrayList to store object

C:\Enter Input {first\_name<tab>last\_name<tab>zip\_code}:

Bill Smith 10002

Enter Input {first\_name<tab>last\_name<tab>zip\_code}:

Jane Dome 11354

Enter Input {first\_name<tab>last\_name<tab>zip\_code}:

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