Program 701g

**Program Description:** You are to write a program that keeps track of all of the people in your organization. Within your organization you have a bunch of people who all have first and last names. These people are either students, who have a GPA(double), teachers, who have a number of students that they teach(int), or administrators who have a favorite word(String).

You are to calculate the average GPA, the total number of students taught by the teachers and the biggest and smallest favorite word among the administrative staff. The data file will be denoted by a 1 for student, 2 for teacher and 3 for administrator. There will be a 99 to signify the end of the data file.

**Required Statements:** Interface, Superclass, subclass, ArrayList

You should use the following interface:

public interface names

{

public String getFirst();

public String getLast();

public String getName();

}

**Data Location:** prog701g.dat