Rollcall

First three lines are importing. Scanner for get input , Arraylist for use the Arraylists in the program and Collection package for use inbuilt method such as sort a list..

Next define the class rollcall. **public** is an access modifier. Public class can access by anywhere. **Class** keyword is todefine the class and rollcall is the class name.

Inside the class there is a static method. The name of the method is instances. It is defined as a static method. Therefor no need to create an instance of the rollcall to call that method. This method takes two arguments. First argument is the nums. Nums is an ArrayList that consist of Strings. The second argument is a str. It is a String. (line 6)

Next integer type variable count is declared and initialized it to 0. (line 8)

Next there is a for loop. It is looping from I = 0 to I = size of the nums ArryaList. Increment done by 1 for each round (i++)

nums.size() is a method to get the size of a arraylist.

Inside the for loop there is a if statement. (line 11).

In that we checking our second argument (str) is exactly matching with the current string that get from the nums arraylist.nums.get(i) is an method to to get the value of the ith  index of the nums arraylist.and equals is method to check whether if two string are same.( str.equals(…))

In here if the str and the current word that comes from the loop in ith round from nums are equals increase the count by one. (line12)

Then return the count as the result of that method.

Overall idea of that method is :

Het arralist and a string. And count the matching of strin in that given arralist and return it.

Line 16

Define the main method(This also should be a static and public).

Line 17:- Create an object from the Scanner Class which previously imported from line 1.The name of the object is scan. In here new is the keyword that use to create the object.Scanner(Syste.in) is the constructor of the Scanner class. System.in is a method to get the input from the system using system calls.

Line 19,20

Create String type arraylist. The names are “names” and “fisrts”. In here new is also same as the above. It is used to create objects of ArrayList() class.

Line 22 – line 29

There is while loop. The loop runs until End Of File or end of line found. Scan.hasnext is the method to check whether input have next input or is it the end of the input. If there are inputs loop is runs.

Line 24. Line 25.

Strings are declare which the names are first and last. In here scan object read the string from