

Assignment 2?

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# Description

Write a brief description of what the assignment is about.

**Program gets employee info from user input and prints it out that is readable.**

# The Code (if more than one question, then specify the question and paste the code of every question)

Copy and paste the code of your questions.

**public** **class** Employee {

**private** **int** id = 0;

**private** String first = "";

**private** String last = "";

**private** String gender = "";

**private** String job = "";

**private** String org = "";

**private** String birthday = "";

**private** **static** **int** *countEmployee*;

**private** **static** **int** *countGoogle*;

**private** **static** **int** *countMicrosoft*;

**public** **int** max = 10000;

**public** **int** min = 1;

**public** **int** range = (max - min) + 1;

Employee (String first, String last, String gender, String job, String org, String birthday) {

**this**.first = first;

**this**.last = last;

**this**.setGender(gender);

**this**.setJob(job);

**this**.org = org;

**this**.birthday = birthday;

setId((**int**) (Math.*random*() \* range) - min);

**this**.id = id;

*countEmployee*++;

**if** (**this**.org.equalsIgnoreCase("Google")) {

*setCountGoogle*(*getCountGoogle*() + 1);

}

**else** {

*setCountMicrosoft*(*getCountMicrosoft*() + 1);

}

System.***out***.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

System.***out***.println("ID: " + id);

System.***out***.println("Name: " + first + " " + last);

System.***out***.println("Gender: " + gender);

System.***out***.println("Job Title: " + job);

System.***out***.println("Organization " + org);

System.***out***.println("Birthdate: " + birthday);

System.***out***.println("------------------------------------");

}

**public** **int** getId() {

**return** id;

}

**public** **void** setId(**int** id) {

**this**.id = id;

}

**public** String getFirst() {

**return** first;

}

**public** **void** setFirst(String first) {

**this**.first = first;

}

**public** String getLast() {

**return** last;

}

**public** **void** setLast(String last) {

**this**.last = last;

}

**public** String getGender() {

**return** gender;

}

**public** **void** setGender(String gender) {

**this**.gender = gender;

}

**public** String getJob() {

**return** job;

}

**public** **void** setJob(String job) {

**this**.job = job;

}

**public** String getBirthday() {

**return** birthday;

}

**public** **void** setBirthday(String birthday) {

**this**.birthday = birthday;

}

**public** **static** **int** getCountGoogle() {

**return** *countGoogle*;

}

**public** **static** **void** setCountGoogle(**int** countGoogle) {

Employee.*countGoogle* = countGoogle;

}

**public** **static** **int** getCountMicrosoft() {

**return** *countMicrosoft*;

}

**public** **static** **void** setCountMicrosoft(**int** countMicrosoft) {

Employee.*countMicrosoft* = countMicrosoft;

}

**public** **static** **int** getCountEmployee() {

**return** *countEmployee*;

}

**public** **static** **void** setCountEmployee(**int** countEmployee) {

Employee.*countEmployee* = countEmployee;

}

**public** **class** Caller {

/\*\*

\* **@param** args

\*/

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

Scanner keyboard = **new** Scanner(System.***in***);

**for** (**int** i = 0; i < 3; i++) {

System.***out***.print("Enter employee first name: ");

String first = keyboard.next();

System.***out***.print("Enter employee last name: ");

String last = keyboard.next();

System.***out***.print("Enter employee gender: ");

String gender = keyboard.next();

System.***out***.print("Enter employee job title: ");

String job = keyboard.next();

System.***out***.print("Enter employee organization (Google or Microsoft): ");

String org = keyboard.next();

System.***out***.print("Enter employee birthday (mm/dd/yyyy): ");

String birthday = keyboard.next();

Employee employee = **new** Employee(first, last, gender, job, org, birthday);

System.***out***.println("Total Employees: " + Employee.*getCountEmployee*());

System.***out***.println("Microsoft Employees: " + Employee.*getCountMicrosoft*());

System.***out***.println("Google Employees: " + Employee.*getCountGoogle*());

System.***out***.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

}

}

}

# The output

Screenshots of your runs.

3 screenshots of 3 scenarios you tried in your program.

A screenshot of a computer

Description automatically generatedA screenshot of a computer

Description automatically generatedA screenshot of a computer

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# Comments/Notes (Extra Credit)

The comments or the notes section is if you wanted extra credit. This could be struggles you have come over while doing your program, or additions you wanted to highlight so I notice while grading…

**Once again, this assignment was very daunting because it looked like it needed more effort to put it all together. Thanks to past example, it showed how classes work and how it can be implemented. There was some frustration while working on this but that what is makes programming worth it for me. To me, the more I struggle to figure things out, the more I want to learn because I am passionate about it.**