Quiz #2

Name:

Assume that you have instance variables declared in class Database as was done in the assignment spec:

    private Map actorsToMovies; // key is actor, value is list of movies
    private Map moviesToActors; // key is movie, value is list of actors

The movies are stored as Strings, and the actors are stored as Actor objects (containing a name and data field) with appropriately declared equals and hashCode.

1. The Database instance method clearDataField sets the data field for every actor to 0. Implement clearDataField as started below (my solution is 4 lines):

```java
    private void clearDataField() {
    }
```  

2. The Database instance method inSameMovies accepts as parameter an Actor x, and returns a Set containing all Actors that have been in at least one movie with x. Implement inSameMovies as started below (my solution is 11 lines):

```java
    // Precondition: x is in at least one movie
    public Set inSameMovies(Actor x) {
    }
```