

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):

```
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):

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

```
}
```