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HW6 - OUTPUTS

Output for Database Setup:

```
Attempting to load JDBC driver...
Successfully loaded the JDBC driver.
Attempting to connect to the DePaul database...
Successfully connected to the DePaul database.
Dropping the age_key table...
Successfully dropped the age_key table.
Creating the age_key table...
Successfully created the age_key table.
Dropping the job_key table...
Successfully dropped the job_key table.
Creating the job_key table...
Successfully created the job_key table.
Dropping the movie_details table...
Successfully dropped the movie_details table.
Creating the movie_details table...
Successfully created the movie_details table.
Dropping the movie_category table...
Successfully dropped the movie_category table.
Creating the movie_category table...
Successfully created the movie_category table.
Dropping the user_details table...
Successfully dropped the user_details table.
Creating the user_details table...
Successfully created the user_details table.
Dropping the ratings table...
Successfully dropped the ratings table.
Creating the ratings table...
Successfully created the ratings table.
Beginning to populate age_key table...
Successfully inserted 7 rows into age_key table.
Done inserting values into age_key
Beginning to populate the job_key table...
Successfully inserted 21 rows into the job_key table.
Done inserting into job_key table.
Beginning to poulate the movie_details table...
Successfully inserted 3883 rows into the movie_details table.
Done inserting values into the movie_details table.
Beginning to populate user details table...
Successfully inserted 6039 rows into user_details.
Done inserting values into the user_details table.
Beginning to populate movie_categories table...
Successfully inserted 6408 rows into the movie_category table.
Beginning to insert into the ratings table...
Successfully inserted 200000 rows into the ratings table.
Done inserting into the ratings table.
Closing the database connection.
```

Output for Queries:

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RunQueries [Java Application] C:\Java64\jre\bin\javaw.exe (Mar 21, 2019, 4:43:15 PM)
Attempting to load the JDBC driver...
Successfully loaded the driver.
Attempting to connect to the DePaul database...
Successfully connected to the DePaul database.
The following query will return the top 10 movies names, and the number of times reviewed that they were reviewed for the profession you select.
Please enter the job name which you would like to search for.
(? for a list of job titles || 0 to exit.)
?
Other or not specified
academic/educator
artist
cleritcal/admin
college/gradstudent
customer service
doctor/health care
executive/managerial
farmer
homemaker
K-12 student
lawyer
programmer
retired
sales/marketing
scientist
self-employed
technician/engineer
tradesman/craftsman
unemployed
writer

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Please enter the job name which you would like to search for.
(? for a list of job titles || 0 to exit.)
programmer
|

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Top 10 reviewed movies for programmers.
Movie: American Beauty | Times reviewed: 56
Movie: Star Wars: Episode V - The Empire Strikes Back | Times reviewed: 52
Movie: Jurassic Park | Times reviewed: 51
Movie: Star Wars: Episode IV - A New Hope | Times reviewed: 50

Movie: Star Wars: Episode VI - Return of the Jedi | Times reviewed: 50
Movie: Men in Black | Times reviewed: 49
Movie: Terminator 2: Judgment Day | Times reviewed: 47
Movie: Matrix, The | Times reviewed: 46
Movie: Star Wars: Episode I - The Phantom Menace | Times reviewed: 44
Movie: Silence of the Lambs, The | Times reviewed: 43

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Query summary:

This query joins three of the tables, user details, ratings, and movie details. Once joined, it uses a prepared statement to take the user's input job name to finalize the WHERE clause which then run a query on the job code table to translate the user input into the corresponding job

code. This result set is then grouped by movie titles, and ordered by the count of the movie ids. The return is then the movie title, and the number of times it was reviewed in order of most to least reviewed. For this particular output, it is limited to just the first 10 movies.