Task 4



MOVIES

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Title** | **Genre** | **Director** | **Run time** | | | **Movie ID** | | **Iventory** | | **Ratings** |
| Fight Club | Drama | David Fincher | 139 | | | 1 | | 5 | | 8.8 |
| Pulp Fiction | Drama | Quentin Tarantino | 154 | | | 2 | | 7 | | 9.0 |
| Robin Hood | Drama | Ridley Scott | 140 | | | 3 | | 3 | | 6.8 |
| The Book of Eli | Drama | Albert Hughes and Allen Hughest | 118 | | | 4 | | 4 | | 6.8 |
| Wall Street: Money Never Sleeps | Drama | Oliver Stone | 133 | | | 5 | | 4 | | 6.3 |
| Inception | Action | Christopher Nolan | 148 | | | 6 | | 5 | | 8.9 |
| The Mechanic | Action | Simon West | 93 | | | 7 | | 2 | | 6.5 |
| The Dark Knight | Action | Christopher Nolan | 152 | | | 8 | | 6 | | 8.9 |
| Red | Action | Robert Schwentke | 111 | | | 9 | | 8 | | 7.1 |
| Machete | Action | Ethan Maniquis and Robert Rodriguez | 105 | | | 10 | | 1 | | 7.1 |
| The Hangover | Comedy | Todd Phillips | 100 | | | 11 | | 4 | | 7.9 |
| Hot Tub Time Machine | Comedy | Steve Pink | 101 | | | 12 | | 2 | | 6.6 |
| Hall Pass | Comedy | Bobby Farrelly and Peter Farrelly | 105 | | | 13 | | 6 | | 6.1 |
| Life as We Know It | Comedy | Greg Berlanti | 114 | | | 14 | | 3 | | 6.2 |
| The Other Guys | Comedy | Adam McKay | 107 | | | 15 | | 9 | | 6.6 |
| 300 | War | Zack Snyder | 117 | | | 16 | | 5 | | 7.8 |
| Saving Private Ryan | War | Steven Spielberg | 169 | | | 17 | | 7 | | 8.5 |
| Schindler List | War | Steven Spielberg | 195 | | | 18 | | 3 | | 8.9 |
| The Hurt Locker | War | Kathryn Bigelow | 131 | | | 19 | | 4 | | 7.8 |
| Full Metal Jacket | War | Stanley Kubrick | 116 | | | 20 | | 3 | | 8.4 |
| Harry Potter and the Deathly Hallows: Part 1 | Adventure | David Yates | 146 | | | | 21 | 5 | | 7.8 |
| The Expendables | Adventure | Sylvester Stallone | 103 | | | | 22 | 2 | | 6.7 |
| Prince of Persia: The Sands of Time | Adventure | Mike Newell | 116 | | 23 | | | 6 | | 6.7 |
| Sherlock Holmes | Adventure | Guy Ritchie | 128 | | 24 | | | 8 | | 7.5 |
| The A-Team | Adventure | Joe Carnahan | 117 | | 25 | | | 1 | | 7.0 |
| The Town | Crime | Ben Affleck | | 125 | 26 | | | | 4 | 7.7 |
| Faster | Crime | George Tillman Jr. | | 98 | 27 | | | | 2 | 6.5 |
| The Departed | Crime | Martin Scorsese | | 151 | 28 | | | | 6 | 8.5 |
| Takers | Crime | John Luessenhop | | 107 | 29 | | | | 3 | 5.8 |
| Salt | Crime | Phillip Noyce | | 100 | 30 | | | | 5 | 6.5 |

Customers

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Account Number** | **Password** | **Account Balance** |
| Desir Shawnalke | 17235 | 5689 | 6.66 |
| Robin Gerok | 18239 | 3009 | 12.67 |
| Micheale Hinkhe | 19339 | 2135 | 15.02 |
| Regan Foxx | 23598 | 6369 | 18.50 |
| Bob Anders | 26562 | 0256 | 11.38 |
| Pitse Gerkop | 35632 | 5429 | 1.90 |
| Fred Wilco | 45789 | 2359 | 65.38 |
| Sandy McDonald | 54856 | 1235 | 2.57 |
| Robert Wij | 78556 | 9325 | 19.99 |
| Sandy Feire | 78963 | 3531 | 71.35 |
| Jerry Spice | 86532 | 7896 | 23.99 |
| Sert Mickel | 93631 | 7412 | 14.57 |

Transactions

|  |  |  |  |
| --- | --- | --- | --- |
| **Transaction ID** | **Movie ID** | **Account Number** | **Rented/Returned** |
| 1 | 1 | 18239 | Rented |
| 2 | 30 | 19339 | Rented |
| 3 | 2 | 17235 | Rented |
| 4 | 6 | 23598 | Rented |
| 5 | 4 | 35632 | Rented |
| 6 | 15 | 78963 | Rented |
| 7 | 3 | 26562 | Rented |
| 8 | 8 | 78556 | Rented |
| 9 | 27 | 93631 | Rented |
| 10 | 25 | 45789 | Rented |
| 11 | 19 | 86532 | Rented |
| 12 | 29 | 54856 | Rented |
| 13 | 6 | 26562 | Returned |
| 14 | 9 | 78556 | Rented |
| 15 | 30 | 93631 | Rented |
| 16 | 20 | 78963 | Rented |
| 17 | 30 | 35632 | Rented |
| 18 | 5 | 35632 | Rented |
| 19 | 1 | 18239 | Returned |
| 20 | 4 | 35632 | Returned |
| 21 | 8 | 78556 | Returned |
| 22 | 9 | 78556 | Returned |
| 23 | 15 | 78963 | Returned |
| 24 | 29 | 54856 | Returned |

1. Query 1: This query selects all the records of movies that have ratings higher than the average rating. Displays the name of the movie as well as the rating of it. It is useful to see which movies are liked more by the customers.

Query 2: This query selects all the customers who “bring” business to the video store. It goes into the transactions table and checks to see customers who have not yet returned their movies. Then it displays the top 10 customers ascending according to their account numbers. It displays three columns: the amount of movies rented, the account number and the name of the person. This is useful because it shows which customers bring the most revenue.

Query 3: Same as query 2 but it selects all the customers who do not have that many movies out. It goes into the transactions table and does a self-join and checks to see customers who have not yet returned their movies. Then it displays the top 10 customers ascending according to their account numbers. It displays three columns: the amount of movies rented, the account number and the name of the person. This is useful because it shows which customers slow down the revenue of the business.

Query 4: This query selects all the customers who have not returned their movie. It goes into the transactions table does a self-join and checks to see customers who have not yet returned their movies. Then it displays the customers in three columns: the amount of movies rented, the account number and the name of the person. This is useful to see which movies are still out and who has them

Query 5: This query allows the customer to search the movie table by title, director and genre. It lets the customer choose which search he/she wants then asks them for the name/type they which to look up. This is useful because it lets the customer look up the movies that he/she wishing to watch.

1. The source I used was www.imdb.com