

```
CREATE TABLE Users (
    user_id INT PRIMARY KEY,
    name VARCHAR(100),
    email VARCHAR(100),
    signup_date DATE
) ;

CREATE TABLE Movies (
    movie_id INT PRIMARY KEY,
    title VARCHAR(100),
    genre VARCHAR(50),
    release_year INT,
    duration_min INT
) ;

CREATE TABLE Views (
    view_id INT PRIMARY KEY,
    user_id INT,
    movie_id INT,
    view_date DATE,
    duration_watched INT,
    FOREIGN KEY (user_id) REFERENCES Users(user_id),
    FOREIGN KEY (movie_id) REFERENCES Movies(movie_id)
) ;

CREATE TABLE Ratings (
    rating_id INT PRIMARY KEY,
    user_id INT,
    movie_id INT,
    rating INT,
    rating_date DATE,
    FOREIGN KEY (user_id) REFERENCES Users(user_id),
    FOREIGN KEY (movie_id) REFERENCES Movies(movie_id)
) ;

CREATE TABLE Subscriptions (
    subscription_id INT PRIMARY KEY,
    user_id INT,
    start_date DATE,
    end_date DATE,
    price DECIMAL(6,2),
    FOREIGN KEY (user_id) REFERENCES Users(user_id)
) ;
```

```
'1
72  /*Top three most watched movies*/
73  SELECT TOP 3 m.title, COUNT(v.view_id) AS views
74  FROM Views v
75  JOIN Movies m ON v.movie_id = m.movie_id
76  GROUP BY m.title
77  ORDER BY views DESC
78
79
80
```

100 % ✖ 1 ▲ 0 ↑ ↓

Results Messages

	title	views
1	Space Odyssey	1
2	Romantic Escape	1
3	Data Analytics 101	1

```
'2
80  /*Average Rating by Genre*/
81  SELECT m.genre, AVG(r.rating) AS avg_rating
82  FROM Ratings r
83  JOIN Movies m ON r.movie_id = m.movie_id
84  GROUP BY m.genre;
85
86
```

100 % ✖ 1 ▲ 0 ↑ ↓

Results Messages

	genre	avg_rating
1	Education	5
2	Romance	4
3	Sci-Fi	5

```
--  
86  /*Top Users by Total Watch Time*/  
87  SELECT u.name, SUM(v.duration_watched) AS total_minutes  
88  FROM Views v  
89  JOIN Users u ON v.user_id = u.user_id  
90  GROUP BY u.name  
91  ORDER BY total_minutes DESC;  
92
```

100 % No issues found

 Results  Messages

	name	total_minutes
1	Alice	270
2	Bob	90