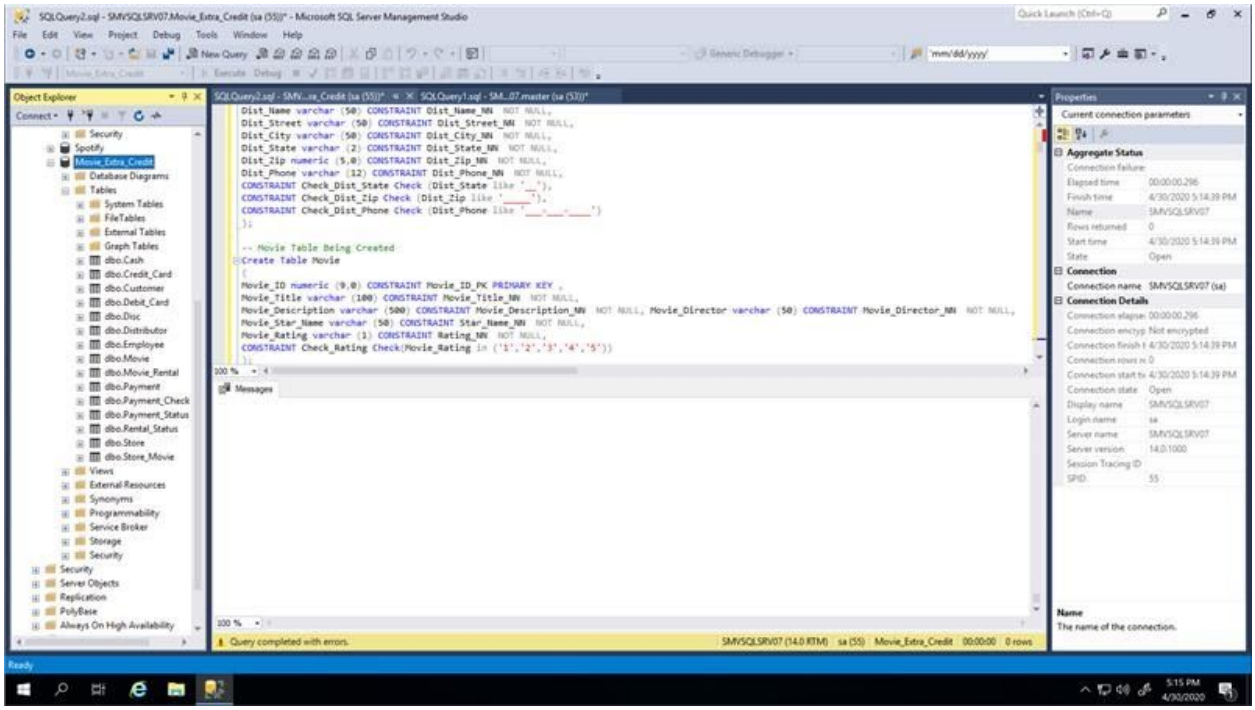
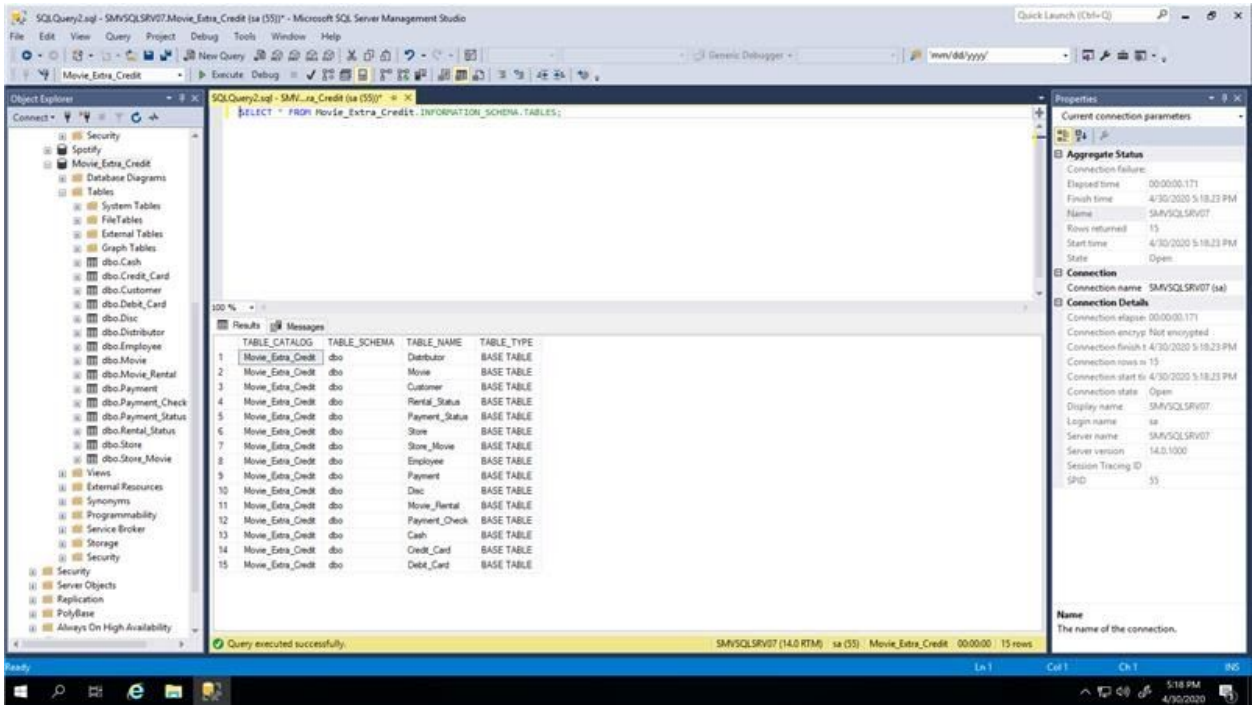
ITSS 4380 Group Project Final Milestone Extra Credit

All team members (Zachary Starr, Luis Saucedo, and Krishnasai Chalasani) contributed to this extra credit assignment.

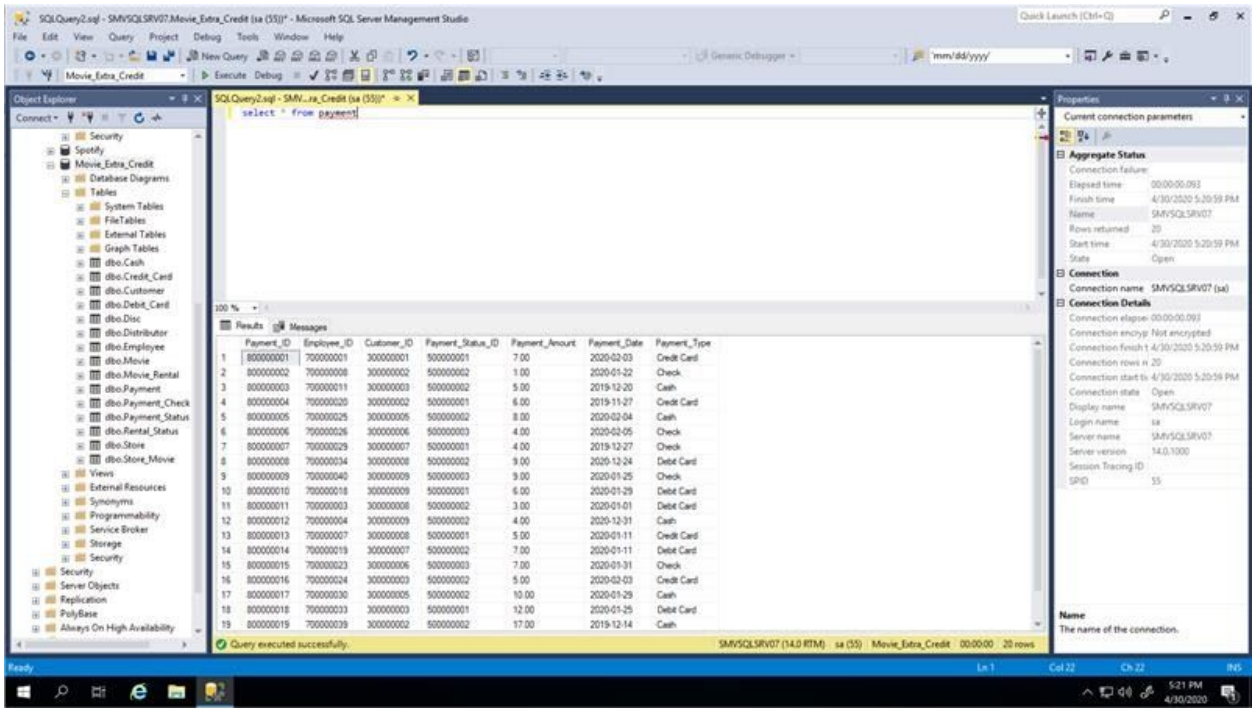
Screenshot 1 - *Tables in the database*



SELECT * FROM Movie_Extra_Credit.INFORMATION_SCHEMA.TABLES;



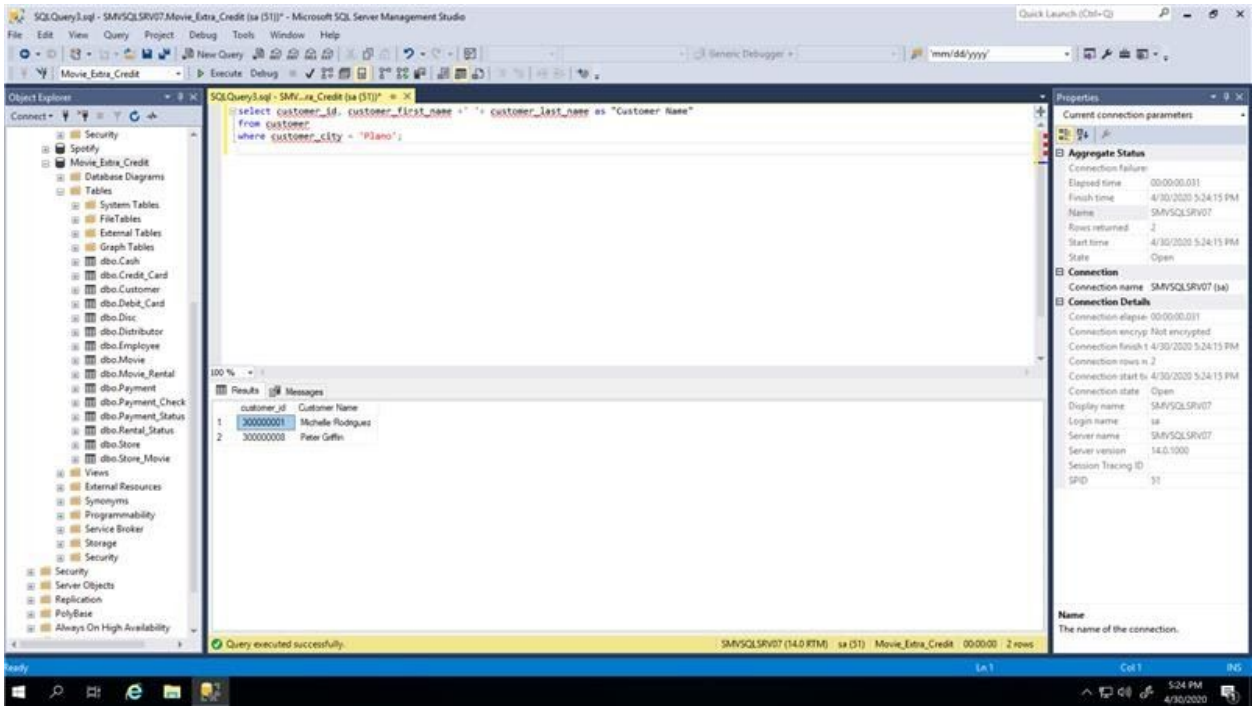
Screenshot 2 - *Data in a table*



Screenshot 3 - *All 10 queries from Milestone #2*

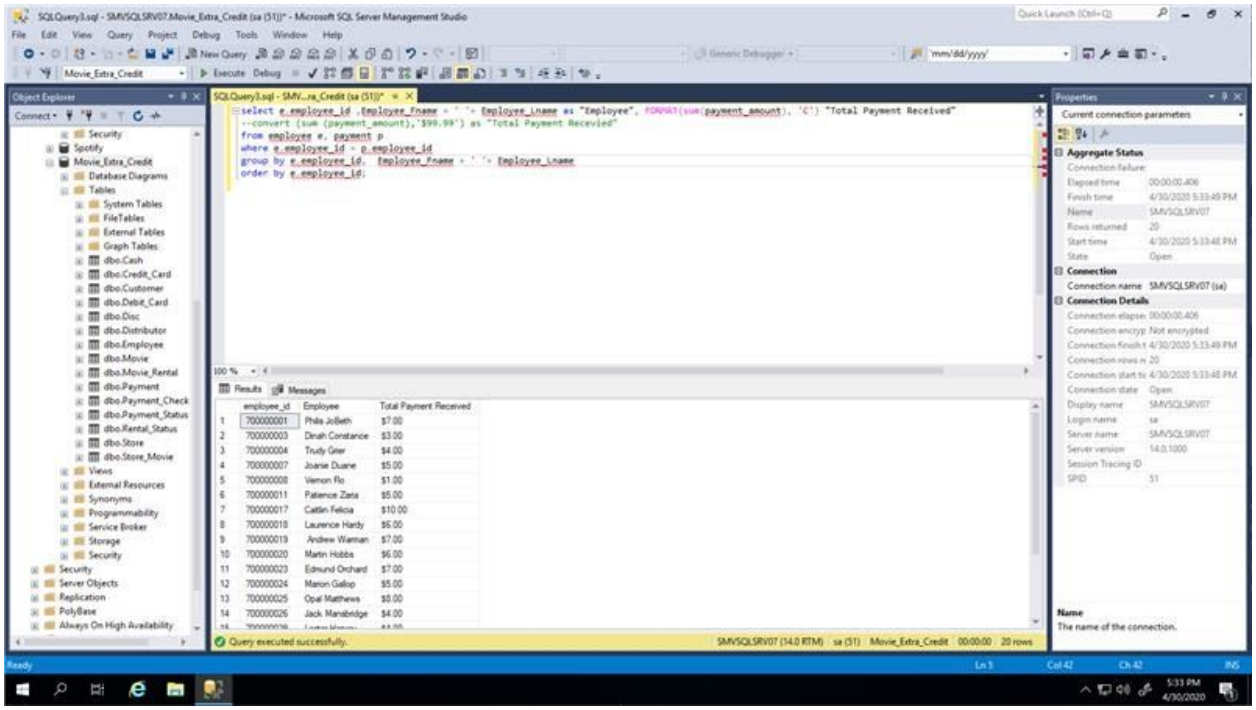
a.

```
select customer_id, customer_first_name + ' ' + customer_last_name as "Customer
Name"
from customer
where customer_city = 'Plano';
```

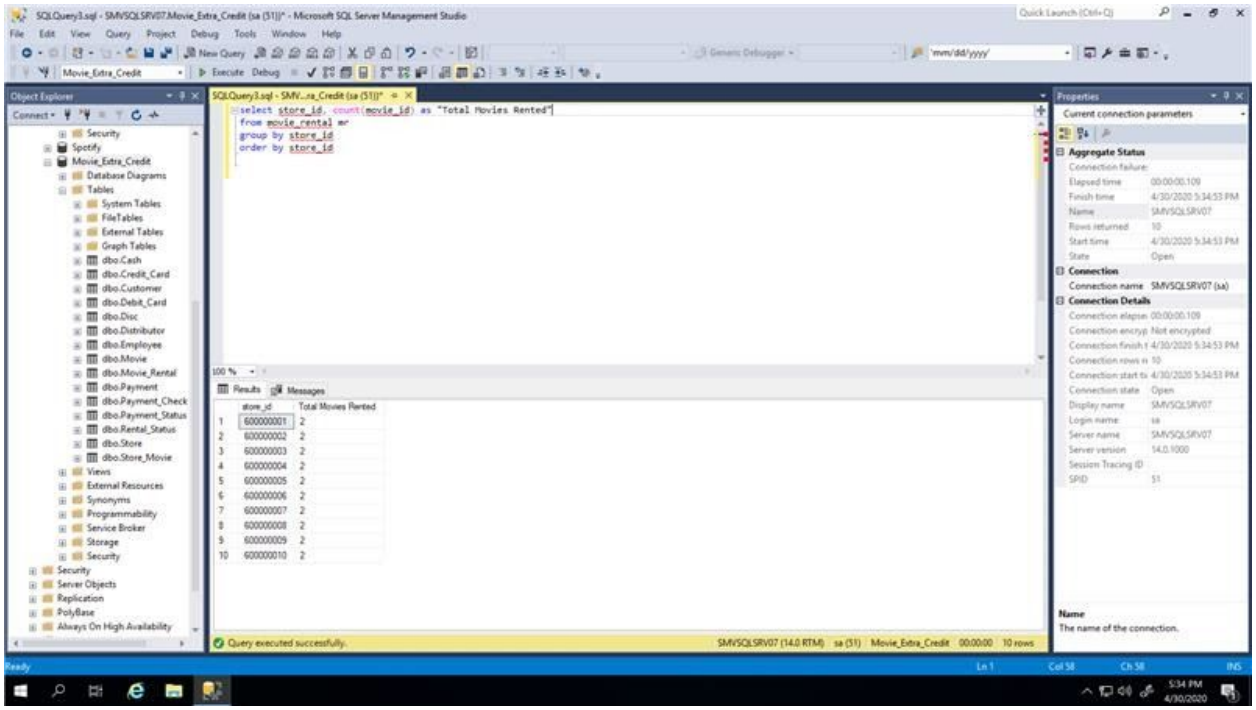


b.

```
select e.employee_id ,Employee_Fname + ' '+ Employee_Lname as "Employee",
FORMAT(sum(payment_amount), 'C') "Total Payment Received"
--convert (sum (payment_amount),'$99.99') as "Total Payment Recevied"
from employee e, payment p
where e.employee_id = p.employee_id
group by e.employee_id,  Employee_Fname + ' '+ Employee_Lname
order by e.employee_id;
```



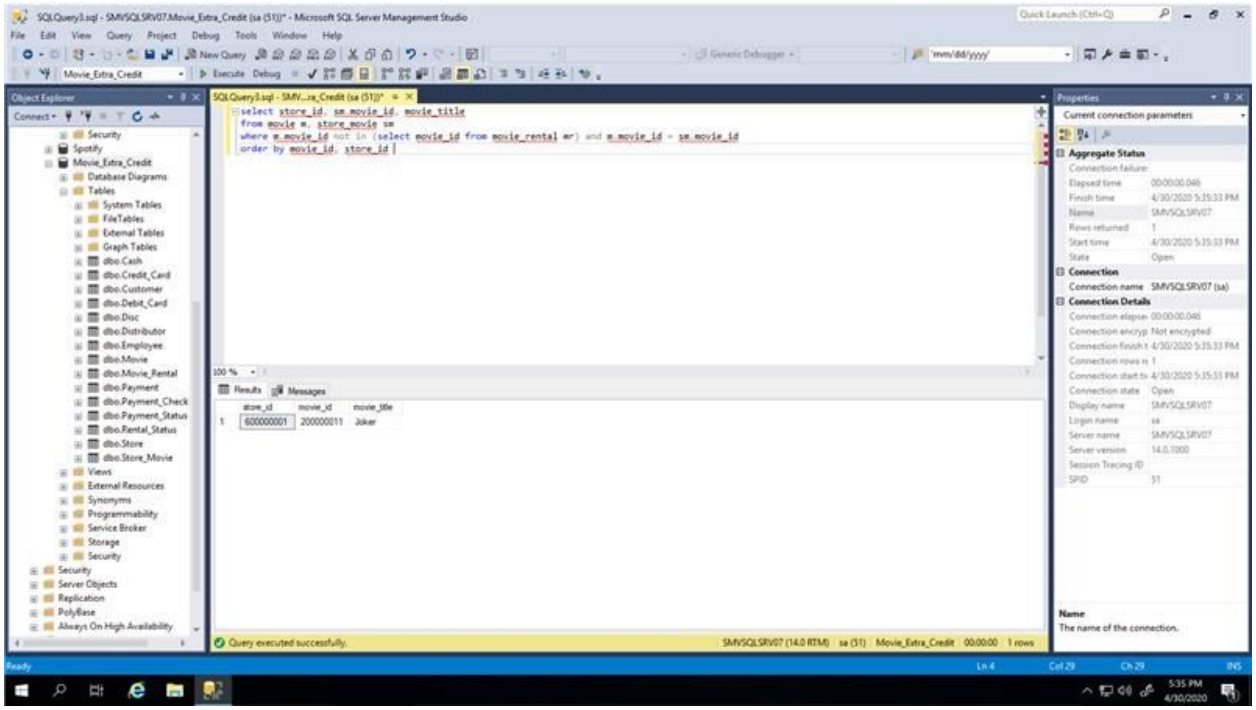
c.



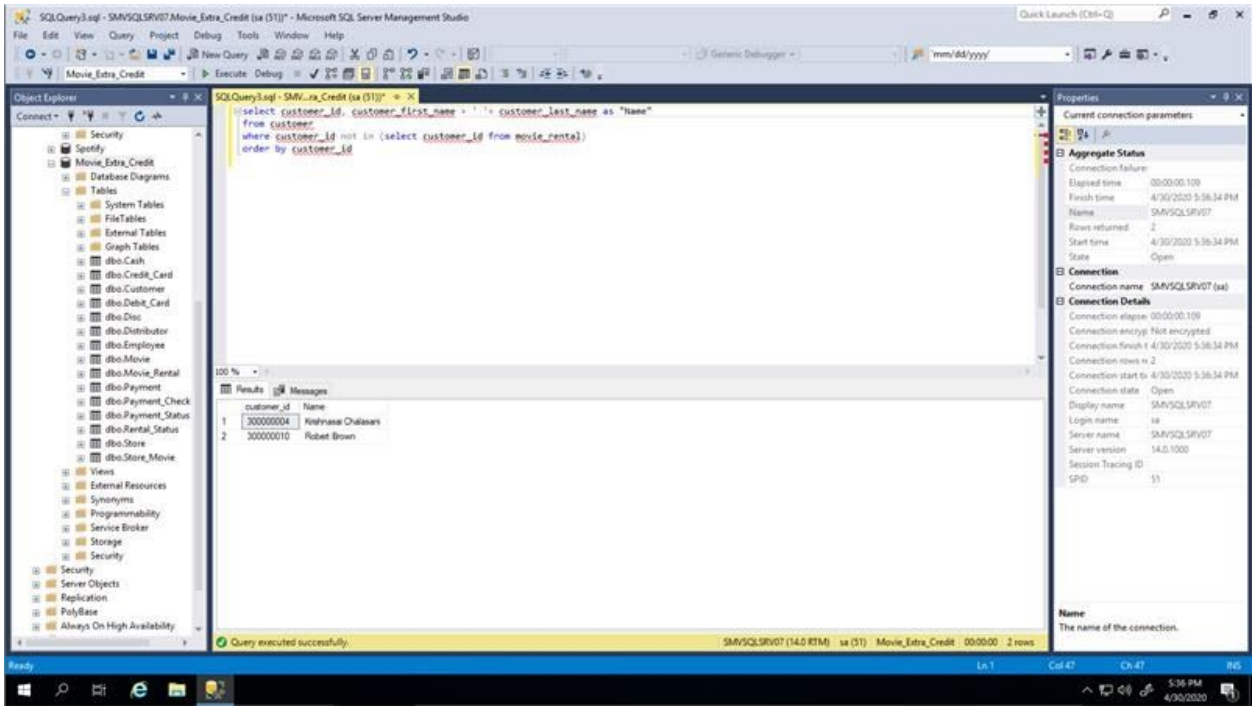
d.

```
select store_id, sm.movie_id, movie_title
from movie m, store_movie sm
```

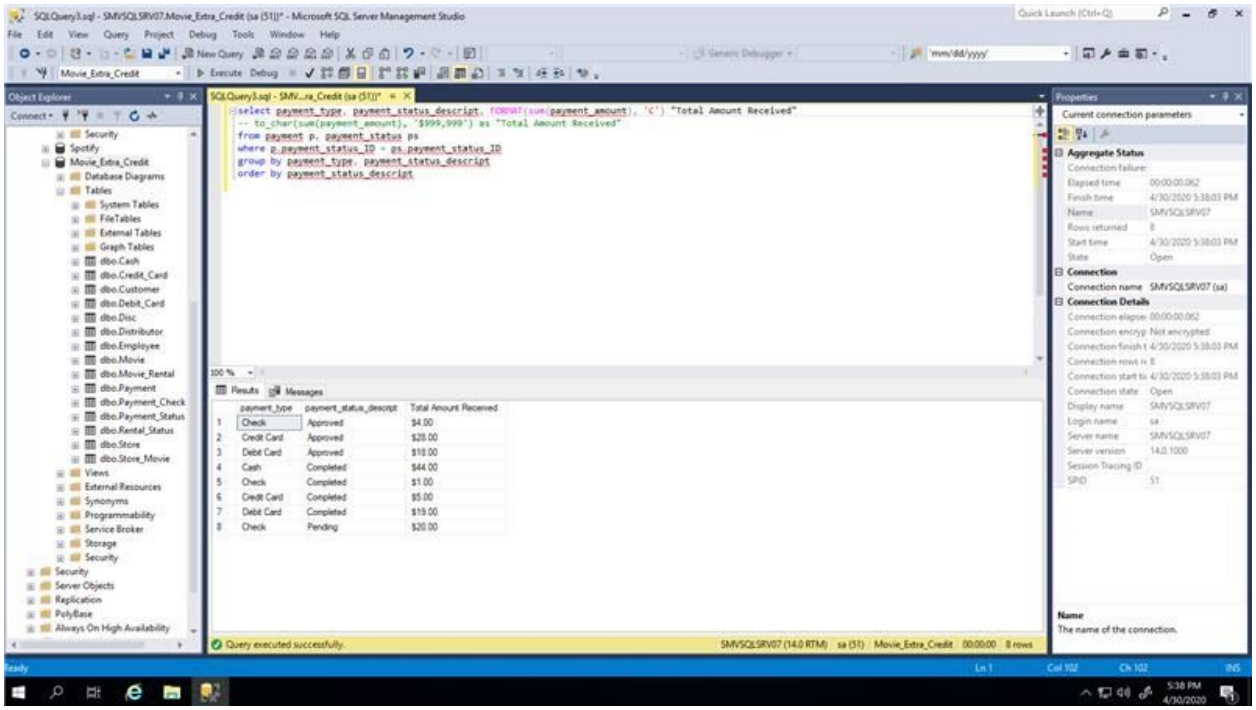
where m.movie_id not in (select movie_id from movie_rental mr) and m.movie_id = sm.movie_id
order by movie_id, store_id



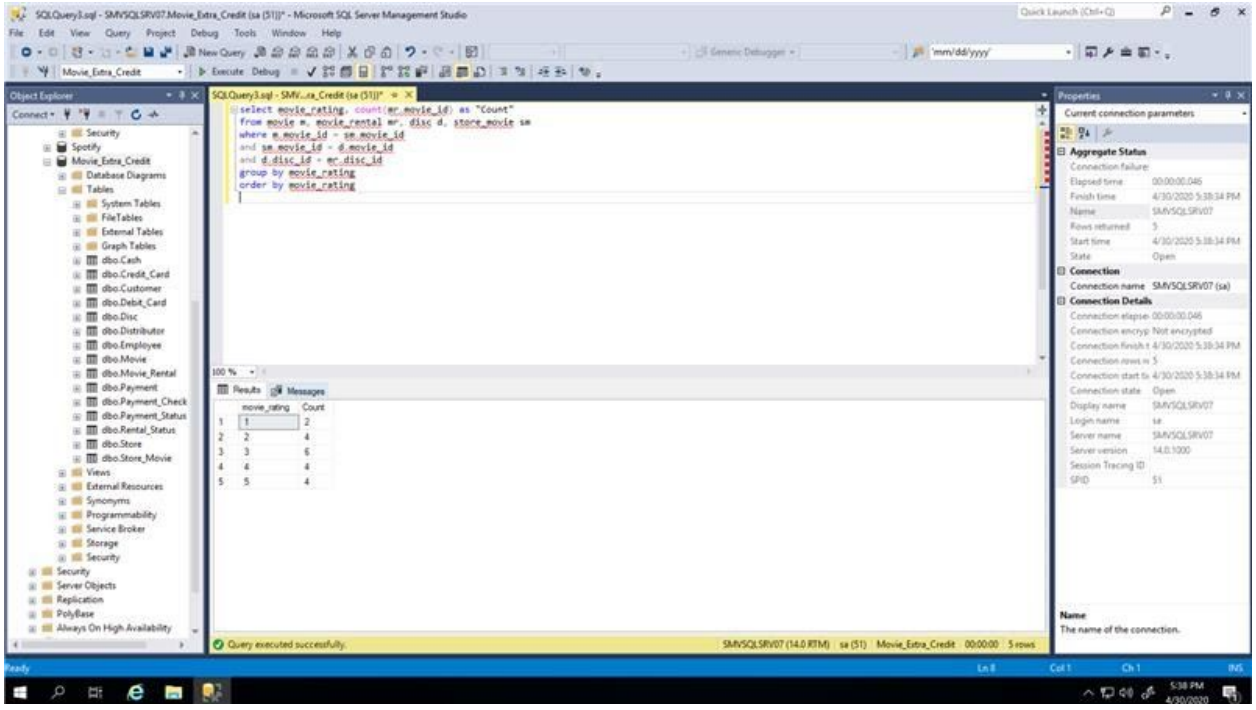
e.



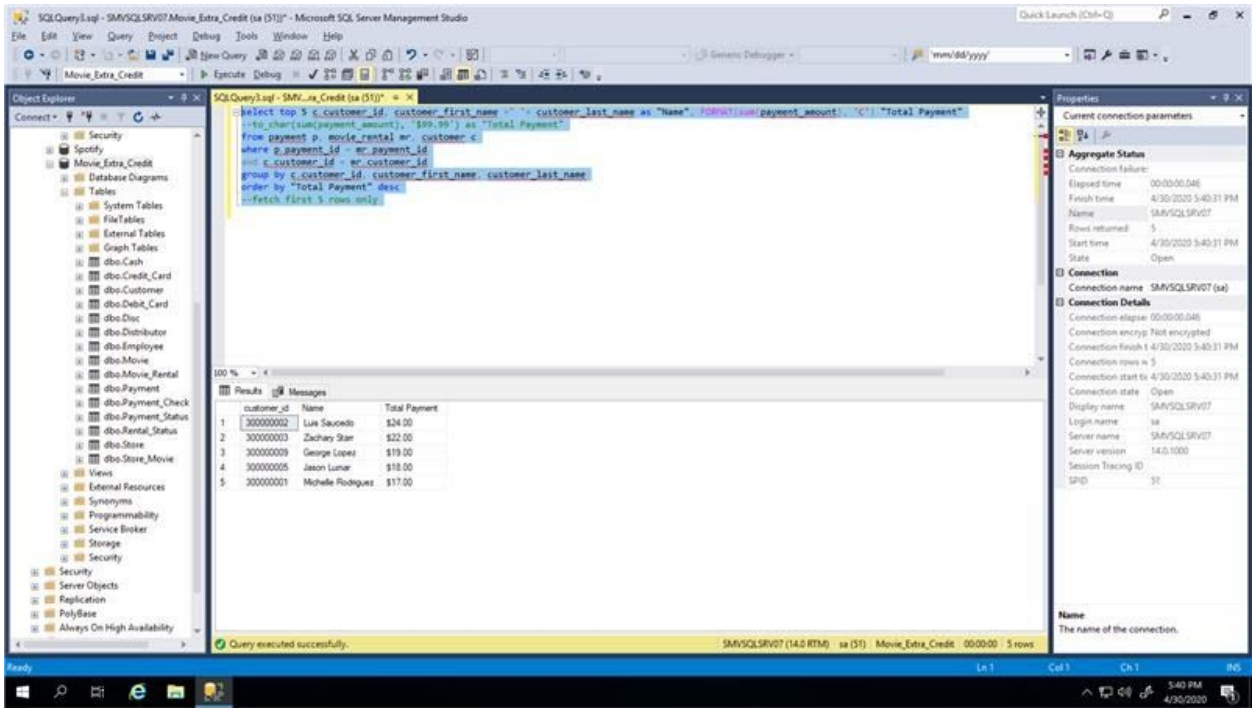
f.


SQLQuery3.sql - SMVSQLSRV07.Movie_Extra_Credit (sa (51))* - Microsoft SQL Server Management Studio
select payment_type, payment_status_descript, FORMAT(sum(payment_amount), 'C') "Total Amount Received"
-- to_char(sum(payment_amount), '$999,999') as "Total Amount Received"
from payment p, payment_status ps
where p.payment_status_ID = ps.payment_status_ID
group by payment_type, payment_status_descript
order by payment_status_descript
payment_type payment_status_descript Total Amount Received
1 Check Approved $4.00
2 Credit Card Approved $28.00
3 Debit Card Approved $10.00
4 Cash Completed $44.00
5 Check Completed $1.00
6 Credit Card Completed $5.00
7 Debit Card Completed $15.00
8 Check Pending $20.00
Query executed successfully.

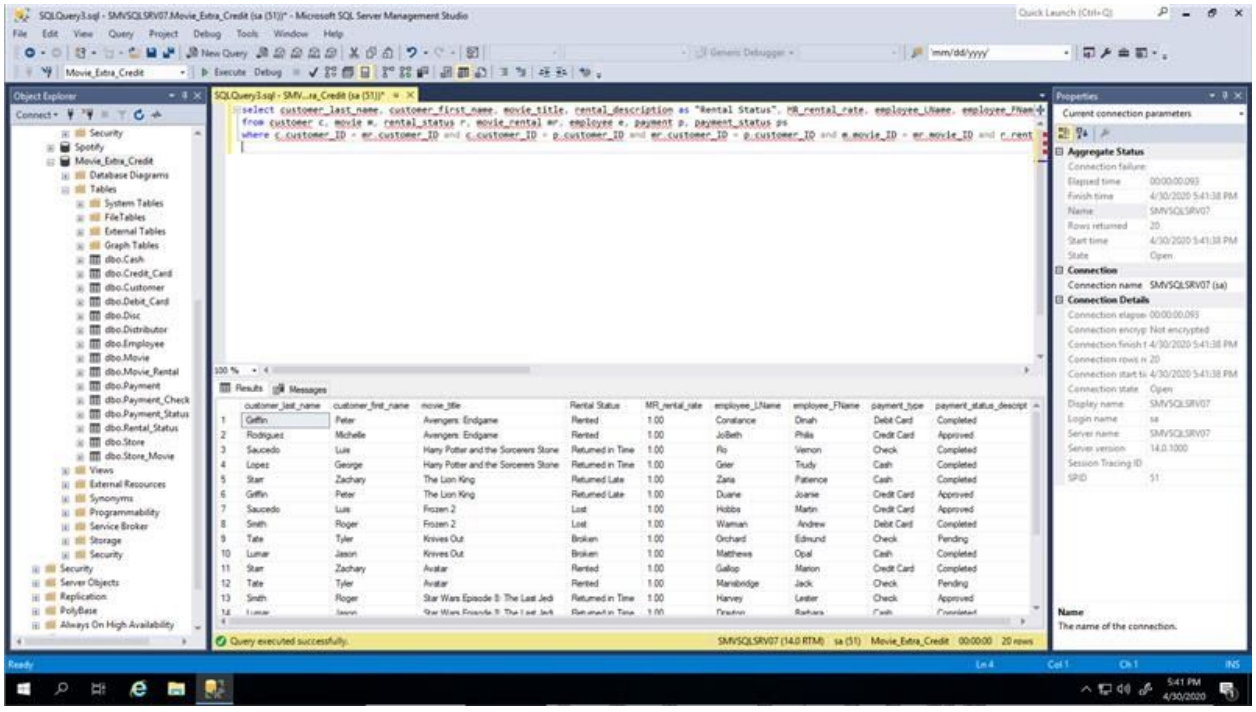
g.


SQLQuery3.sql - SMVSQLSRV07.Movie_Extra_Credit (sa (51))* - Microsoft SQL Server Management Studio
select movie_rating, count(mr.movie_id) as "Count"
from movie m, movie_rental mr, disc d, store_movie sm
where m.movie_id = sm.movie_id
and sm.movie_id = d.movie_id
and d.disc_id = mr.disc_id
group by movie_rating
order by movie_rating
movie_rating Count
1 1 2
2 2 4
3 3 6
4 4 4
5 5 4
Query executed successfully.

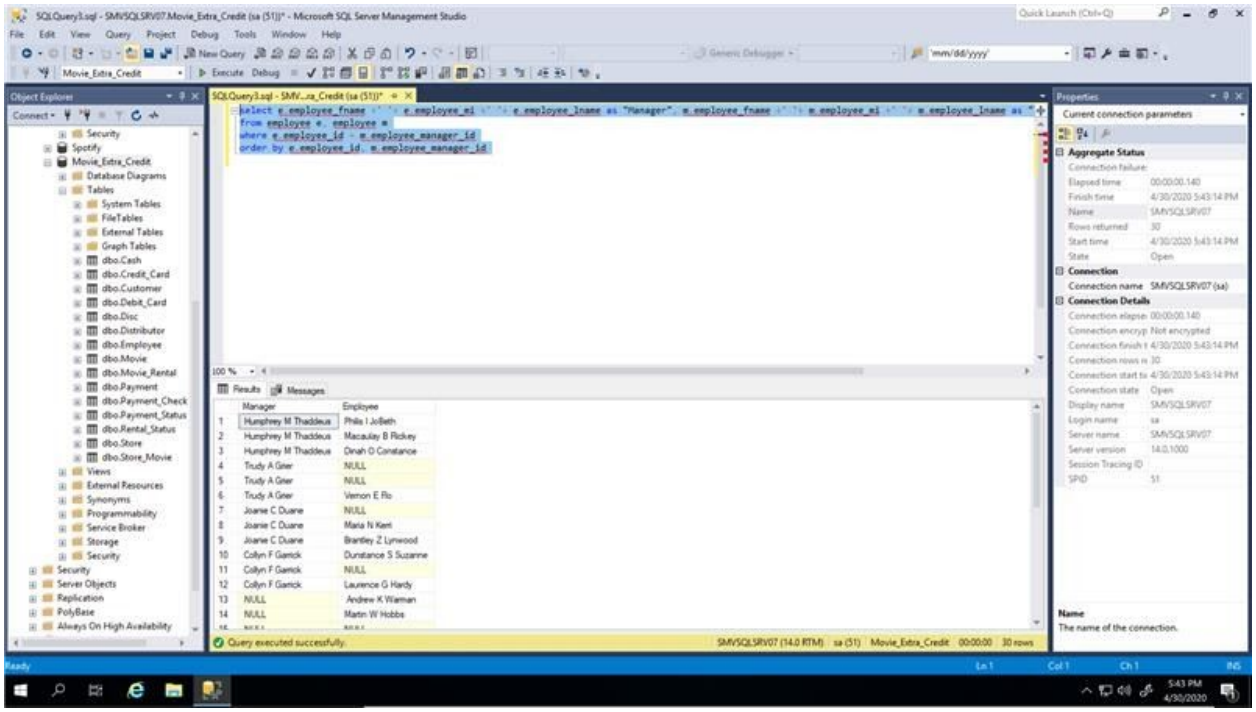
h.


SQLQuery3.sql - SMVSQLSRV07.Movie_Extra_Credit (sa (51))* - Microsoft SQL Server Management Studio
Movie_Extra_Credit
select top 5 c.customer_id, customer_first_name + ' ' + customer_last_name as "Name", FORMAT(sum(payment_amount), 'C') "Total Payment"
--to_char(sum(payment_amount), '$99.99') as "Total Payment"
from payment p, movie_rental mr, customer c
where p.payment_id = mr.payment_id
and c.customer_id = mr.customer_id
group by c.customer_id, customer_first_name, customer_last_name
order by "Total Payment" desc
--fetch first 5 rows only
Results
Messages
customer_id Name Total Payment
1 300000002 Luis Saucedo $24.00
2 300000003 Zachary Starr $22.00
3 300000009 George Lopez $19.00
4 300000005 Jason Lumar $18.00
5 300000001 Michelle Rodriguez $17.00
Query executed successfully.
SMVSQLSRV07 (14.0 RTM) sa (51) Movie_Extra_Credit 00:00:00 5 rows

i.


SQLQuery3.sql - SMVSQLSRV07.Movie_Extra_Credit (sa (51))* - Microsoft SQL Server Management Studio
Movie_Extra_Credit
select customer_last_name, customer_first_name, movie_title, rental_description as "Rental Status", MR_rental_rate, employee_LName, employee_FName
from customer c, movie m, rental_status r, movie_rental mr, employee e, payment p, payment_status ps
where c.customer_ID = mr.customer_ID and c.customer_ID = p.customer_ID and mr.customer_ID = p.customer_ID and m.movie_ID = mr.movie_ID and r.rent
Results
Messages
customer_last_name customer_first_name movie_title Rental Status MR_rental_rate employee_LName employee_FName payment_type payment_status_descript
1 Griffin Peter Avengers: Endgame Rented 1.00 Constance Dinah Debit Card Completed
2 Rodriguez Michelle Avengers: Endgame Rented 1.00 JoBeth Phila Credit Card Approved
3 Saucedo Luis Harry Potter and the Sorcerers Stone Returned in Time 1.00 Flo Vernon Check Completed
4 Lopez George Harry Potter and the Sorcerers Stone Returned in Time 1.00 Grier Trudy Cash Completed
5 Starr Zachary The Lion King Returned Late 1.00 Zaria Patience Cash Completed
6 Griffin Peter The Lion King Returned Late 1.00 Duane Joanie Credit Card Approved
7 Saucedo Luis Frozen 2 Lost 1.00 Hobbs Martin Credit Card Approved
8 Smith Roger Frozen 2 Lost 1.00 Warman Andrew Debit Card Completed
9 Tate Tyler Knives Out Broken 1.00 Orchard Edmund Check Pending
10 Lumar Jason Knives Out Broken 1.00 Matthews Opal Cash Completed
11 Starr Zachary Avatar Rented 1.00 Gallop Marion Credit Card Completed
12 Tate Tyler Avatar Rented 1.00 Manisbridge Jack Check Pending
13 Smith Roger Star Wars Episode 9: The Last Jedi Returned in Time 1.00 Harvey Lester Check Approved
Query executed successfully.
SMVSQLSRV07 (14.0 RTM) sa (51) Movie_Extra_Credit 00:00:00 20 rows

j.



Oracle Version	MS SQL Server Version	Location Used
To_Date () Function	Convert() Function	Creating Tables, Inserting Data
To_Char() Function	Format() Function	Queries 2, 6, and 8
||	+	Queries 1, 5, 8, and 10
Sysdate Function	Getdate() Function	Creating Tables
Number Datatype	Numeric Datatype	Creating Tables
Varchar2 Datatype	Varchar Datatype	Creating Tables

Fetch Clause	Select Top 5 in "Select" Line of the Query	Query 8

Challenges

- Finding the right way to convert DDL and DML commands from Oracle to SQL Server
    - We had to look at many websites and go through a trial-and-error process in determining the keywords that would successfully execute the query or statement.
- Determining how to create a database in SQL Server

Microsoft SQL Server

Pros	Cons
The interface looks nice once you get used to it.	Since we are accustomed to Oracle, there is a bit of a learning curve (This isn't really a con).
We can clearly see the tables that the database has in a graphical format.	The interface looks a little overwhelming at first.

Oracle

Pros	Cons
We are accustomed to this platform.	We don't like the user interface for Oracle 11g Database Express because it looks outdated.
There is an online Oracle DBMS called Oracle Live.	There are 2 logins needed to query the database: one for the workspace and one for the database.