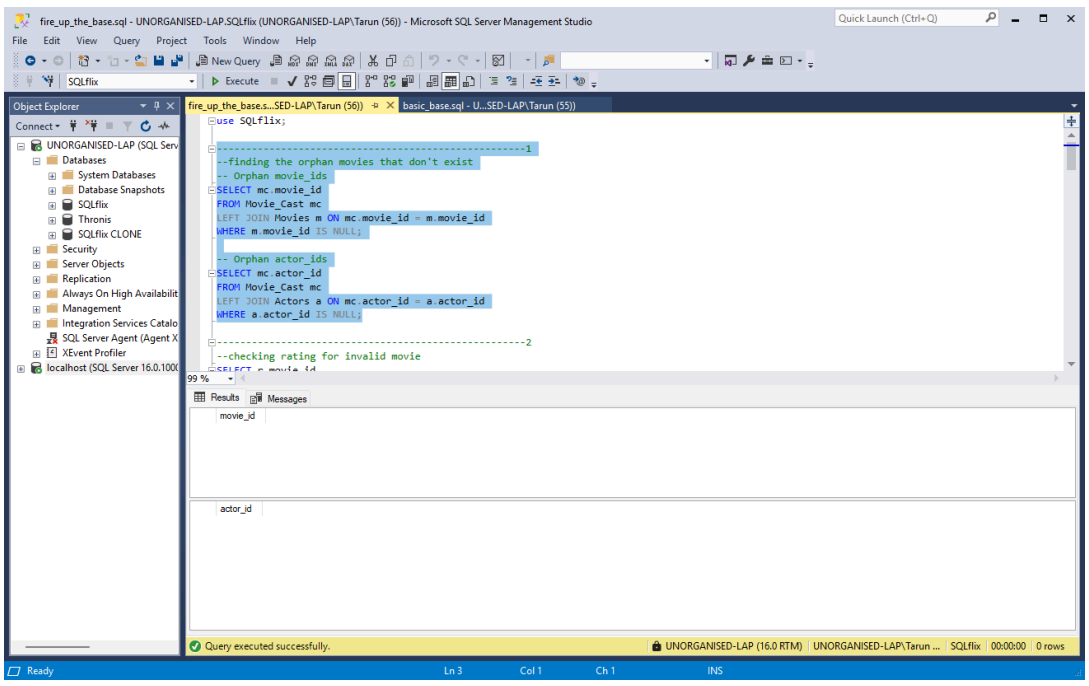
Fire Up Your Base

💡 Refer the SQLflix SSIS Integation before performing the warm up queries in the base.

Movie to Actor Relation

```
----------------------------------------------------1
--finding the orphan movies that don't exist
-- Orphan movie_ids
SELECT mc.movie_id
FROM Movie_Cast mc
LEFT JOIN Movies m ON mc.movie_id = m.movie_id
WHERE m.movie_id IS NULL;

-- Orphan actor_ids
SELECT mc.actor_id
FROM Movie_Cast mc
LEFT JOIN Actors a ON mc.actor_id = a.actor_id
WHERE a.actor_id IS NULL;
```

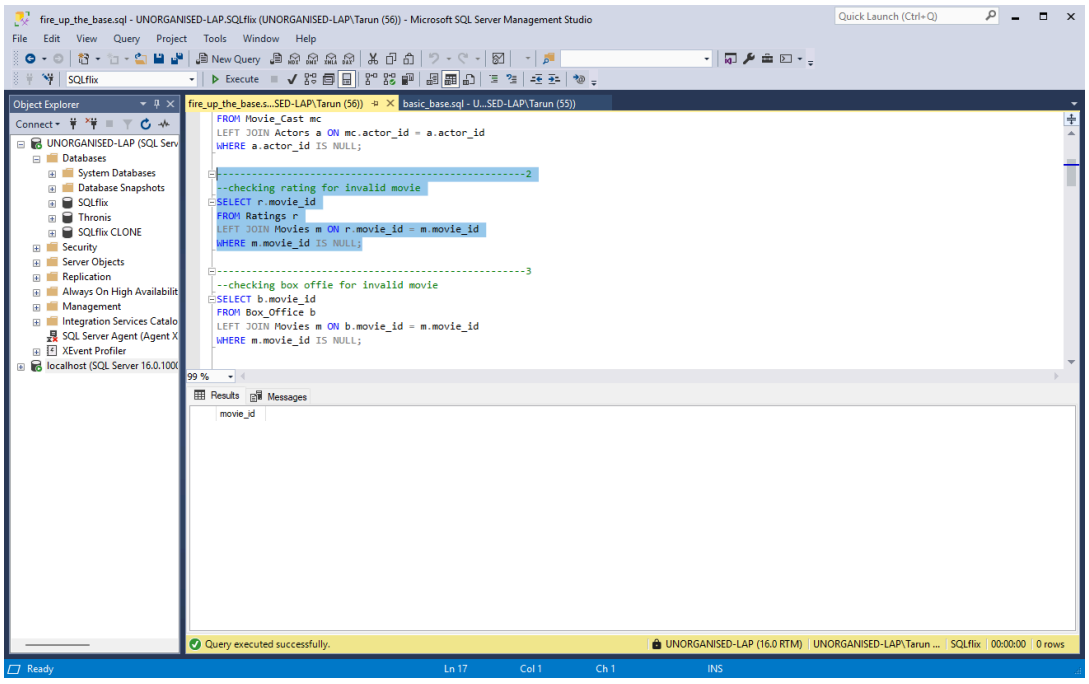


Output

NO RECORDS

Invalid Rating

```
----------------------------------------------------2
--checking rating for invalid movie
SELECT r.movie_id
FROM Ratings r
LEFT JOIN Movies m ON r.movie_id = m.movie_id
WHERE m.movie_id IS NULL;
```

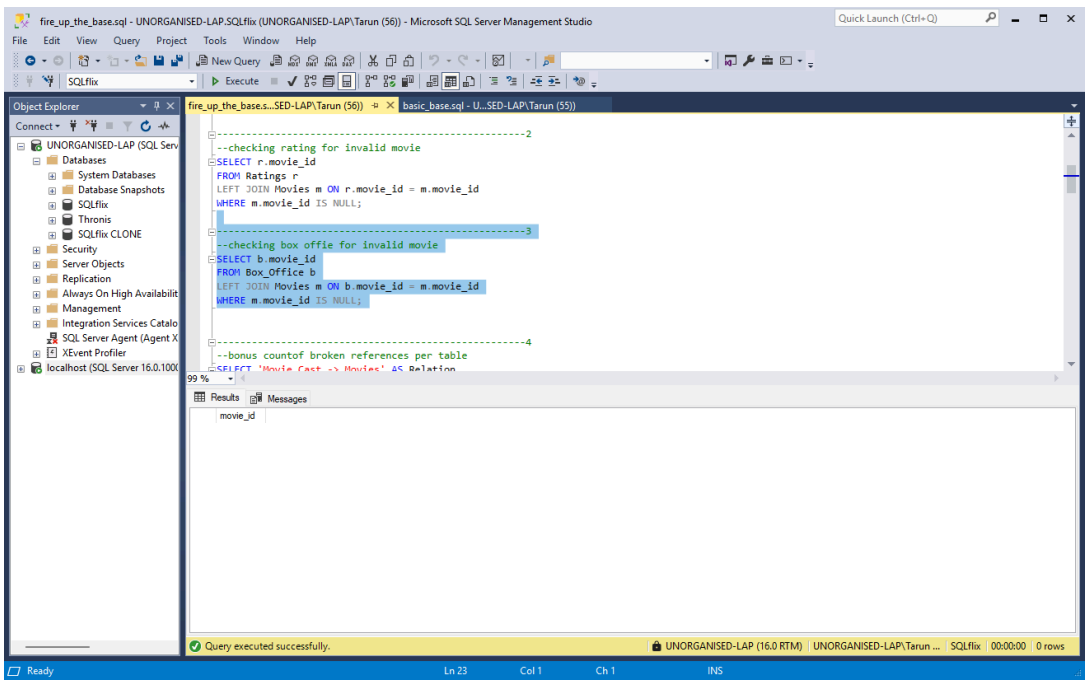


Output

NO RECORDS

Invalid box office revenue

```
----------3
--checking box offie for invalid movie
SELECT b.movie_id
FROM Box_Office b
LEFT JOIN Movies m ON b.movie_id = m.movie_id
WHERE m.movie_id IS NULL;
```



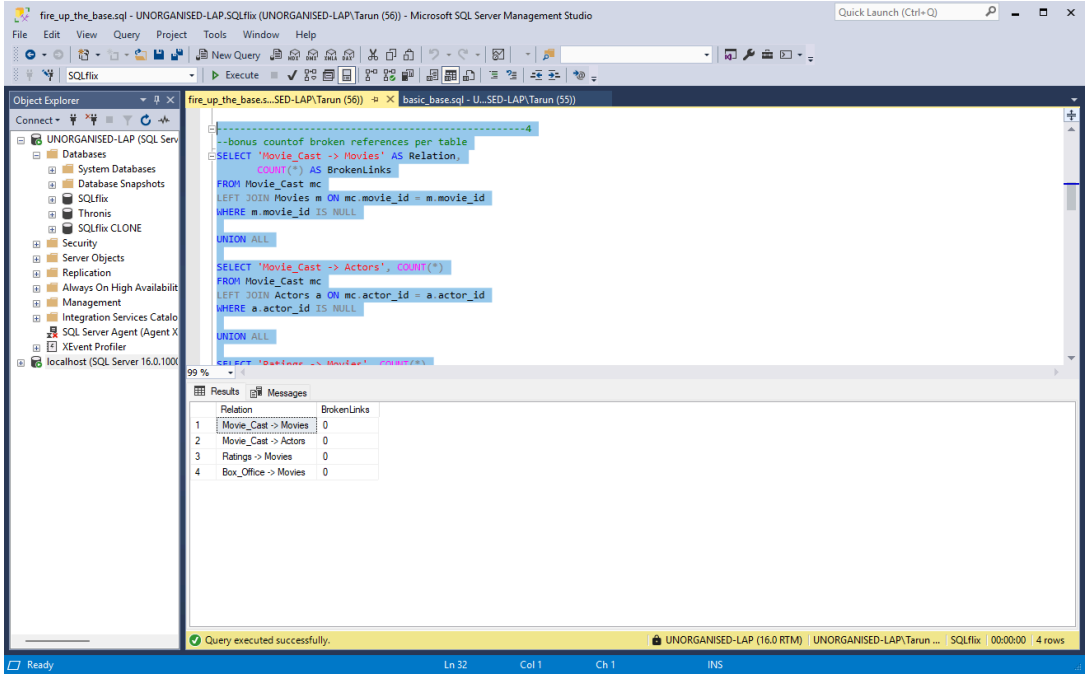
Output

NO RECORDS

Count broken references

```
----------4
--bonus countof broken references per table
SELECT 'Movie_Cast → Movies' AS Relation,
      COUNT(*) AS BrokenLinks
FROM Movie_Cast mc
LEFT JOIN Movies m ON mc.movie_id = m.movie_id
WHERE m.movie_id IS NULL

UNION ALL

SELECT 'Movie_Cast → Actors', COUNT(*)
FROM Movie_Cast mc
```

```
LEFT JOIN Actors a ON mc.actor_id = a.actor_id
WHERE a.actor_id IS NULL

UNION ALL

SELECT 'Ratings → Movies', COUNT(*)
FROM Ratings r
LEFT JOIN Movies m ON r.movie_id = m.movie_id
WHERE m.movie_id IS NULL

UNION ALL

SELECT 'Box_Office → Movies', COUNT(*)
FROM Box_Office b
LEFT JOIN Movies m ON b.movie_id = m.movie_id
WHERE m.movie_id IS NULL;
```



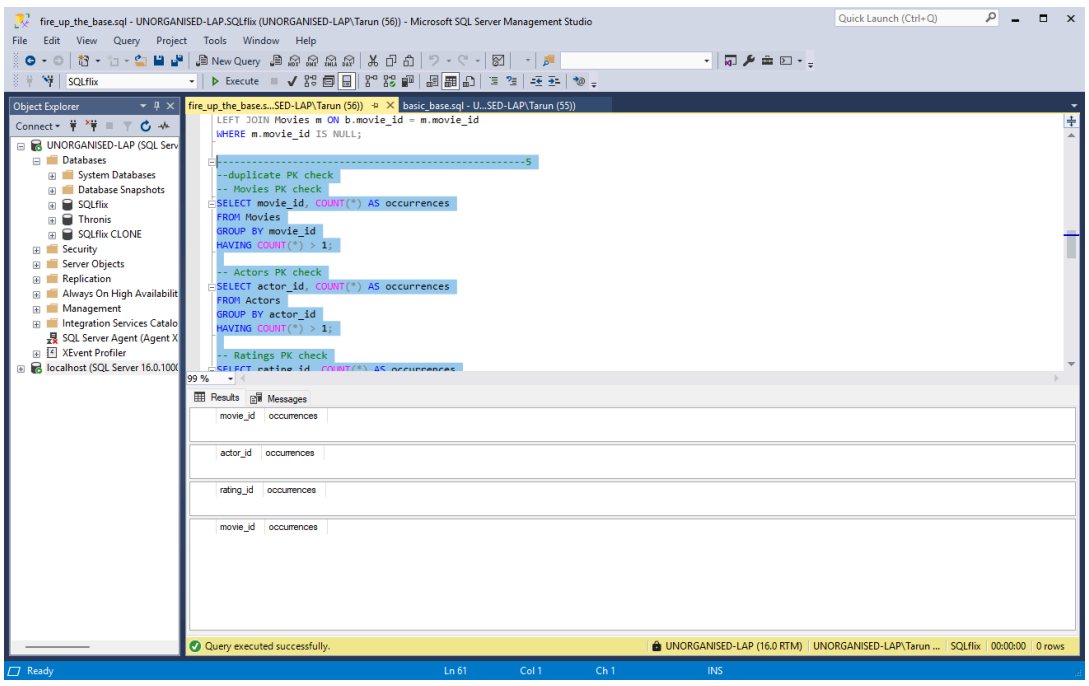
Output

All the columns returning zeros.

PK FK Relation

```
----------------------------------------------------5
--duplicate PK check
-- Movies PK check
SELECT movie_id, COUNT(*) AS occurrences
FROM Movies
GROUP BY movie_id
HAVING COUNT(*) > 1;

-- Actors PK check
SELECT actor_id, COUNT(*) AS occurrences
FROM Actors
GROUP BY actor_id
HAVING COUNT(*) > 1;

-- Ratings PK check
SELECT rating_id, COUNT(*) AS occurrences
FROM Ratings
GROUP BY rating_id
HAVING COUNT(*) > 1;

-- Box_Office PK check
```

```
SELECT movie_id, COUNT(*) AS occurrences
FROM Box_Office
GROUP BY movie_id
HAVING COUNT(*) > 1;
```

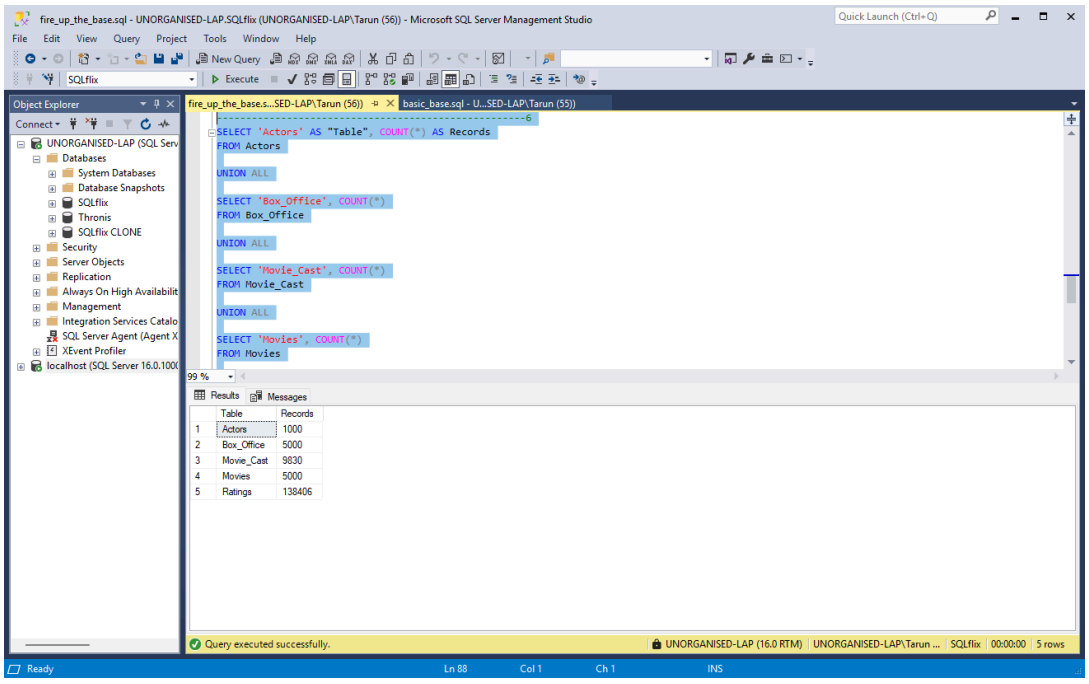


Output

NO RECORDS

Count the number of records

```
----------6
SELECT 'Actors' AS "Table", COUNT(*) AS Records
FROM Actors

UNION ALL

SELECT 'Box_Office', COUNT(*)
FROM Box_Office

UNION ALL

SELECT 'Movie_Cast', COUNT(*)
FROM Movie_Cast

UNION ALL

SELECT 'Movies', COUNT(*)
FROM Movies

UNION ALL

SELECT 'Ratings', COUNT(*)
FROM Ratings;
```



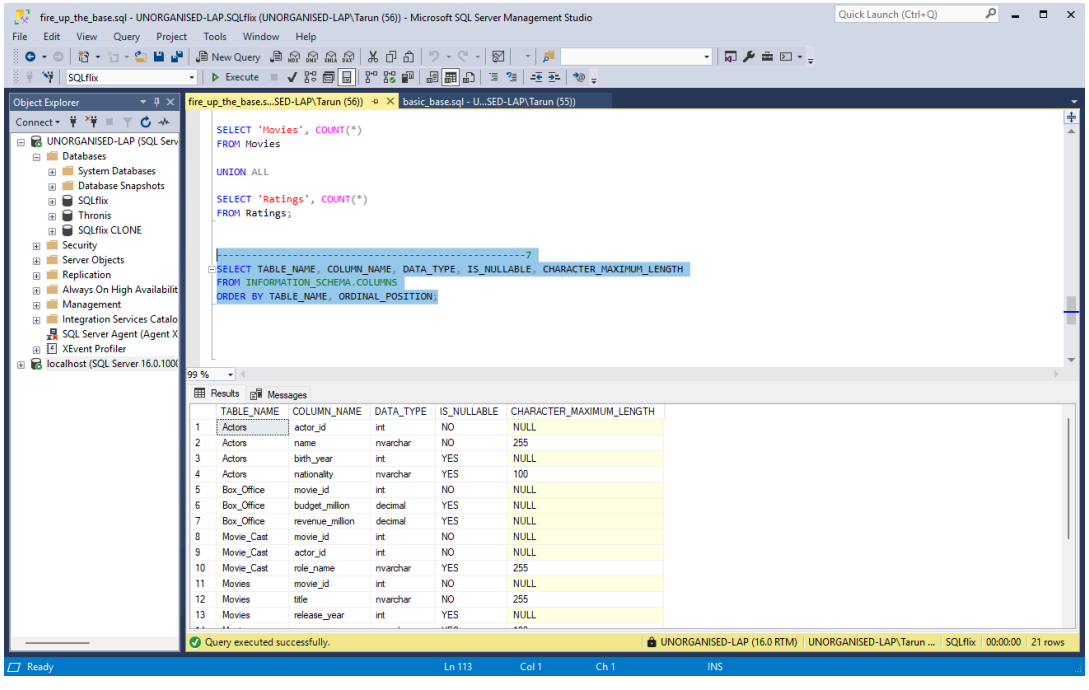
Output

Number of records in each table.

NOT NULL.

Schema Information

```
----------------------------------------------------7
SELECT TABLE_NAME, COLUMN_NAME, DATA_TYPE, IS_NULLABLE, CHARACTER_MAXIMUM_LENGTH
FROM INFORMATION_SCHEMA.COLUMNS
ORDER BY TABLE_NAME, ORDINAL_POSITION;
```



Output

The Schema Information.