Marc Romero

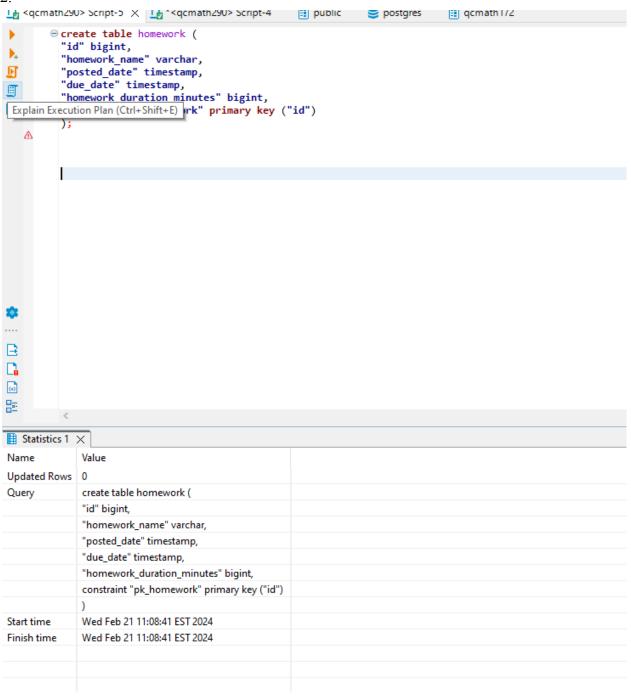
HW2

1.

7	6 1 1 2/4/2024				
	Α	В	С	D	E
1	id	homework_name	posted_date	due_date	homework_duration
2	1	Homework Assignment 1	1/31/2024	02/05/2024 6:00	80 minutes

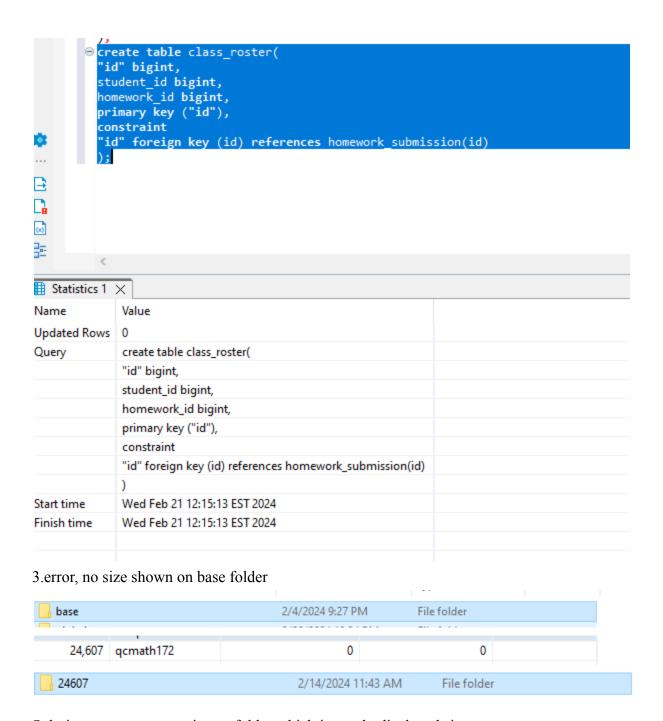
⁻no errors

2.

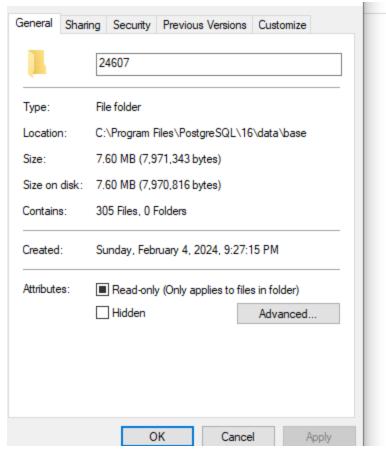


```
create table homework_submission(
           "id" bigint,
student_id bigint,
homework_id bigint,
           primary key ("id"),
           constraint
            'fk_homework" foreign key (homework_id) references homework(id)
\blacksquare

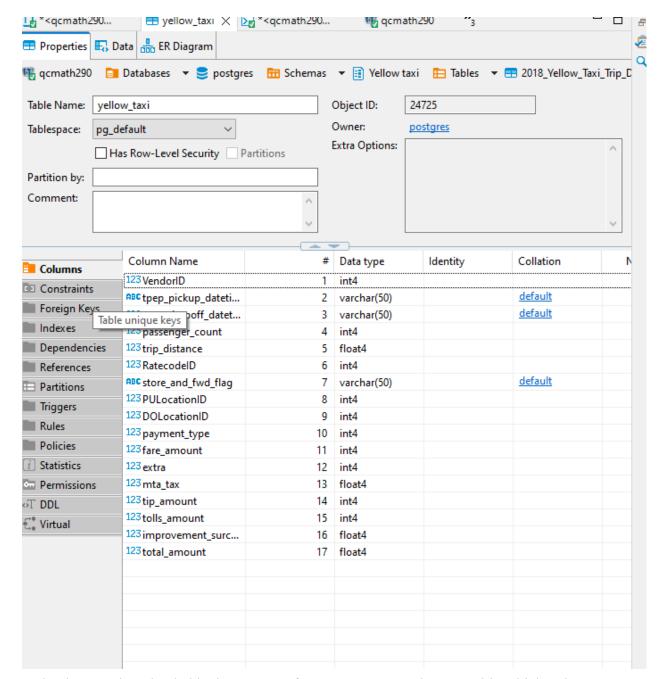
■ Statistics 1 ×
Name
                Value
Updated Rows
Query
                create table homework_submission(
                "id" bigint,
                student_id bigint,
                homework_id bigint,
                primary key ("id"),
                constraint
                "fk_homework" foreign key (homework_id) references homework(id)
Start time
                Wed Feb 21 12:14:00 EST 2024
Finish time
                Wed Feb 21 12:14:00 EST 2024
```



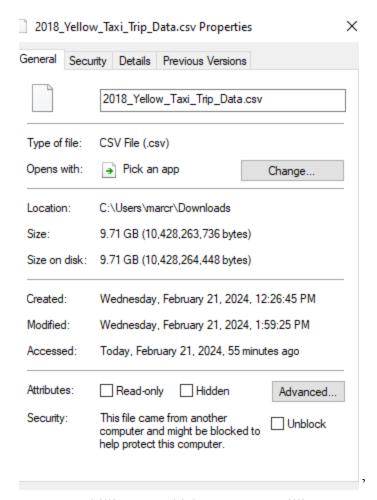
Solution: went to properties on folder which instantly displayed size



4.



5. The data we downloaded had a storage of 9.71 GB compared to our table which only was 7.6 MB. The reason for such a difference is because our data only had about 25 rows of information while the taxi data has 112M rows.



6. 1 ZB= 1 billion TB which means 120 Billion TB.



A 22TB hard drive is around \$575.

120B TB/22 TB= $\sim 5,454,545,455$ of such a hard drive.

5,454,545,455 * 575 = 3,136,360,000,000 or 3.1 trillion dollars.

To put into perspective, Microsoft's market cap is 2.988 Trillion, thus if one person were to have this much money, they could buy all of Microsoft's shares and still have roughly 100 billion

dollars left. With the remaining money, someone can buy the worth of each Premier League club, the highest valued soccer league in the world 9 times.				