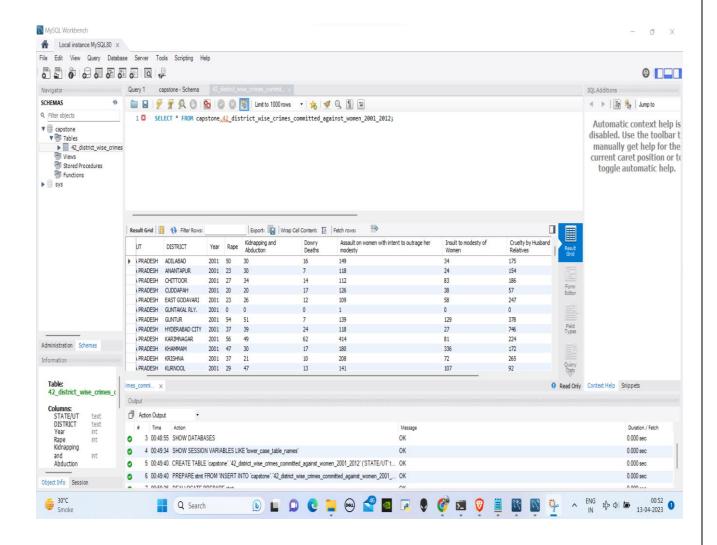
# **Phase 3 SQL operations**

- 3.1 Insert records from
- 42\_District\_wise\_crimes\_committed\_against\_women\_2001\_2012.csv into a table

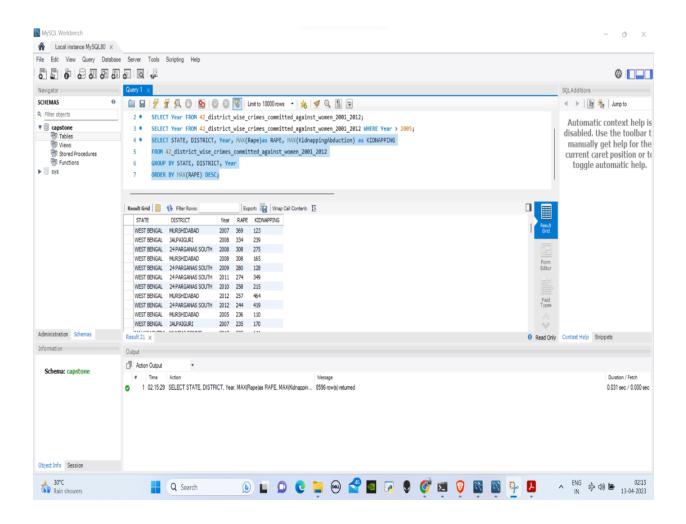


#### Query for that

Import the excel file and to see all the records type this

SELECT \* FROM 42 district wise crimes committed against women 2001 2012;

3.2 Write SQL query to find the highest number of rapes & Kidnappings that happened in which state, District, and year



Query for this question is

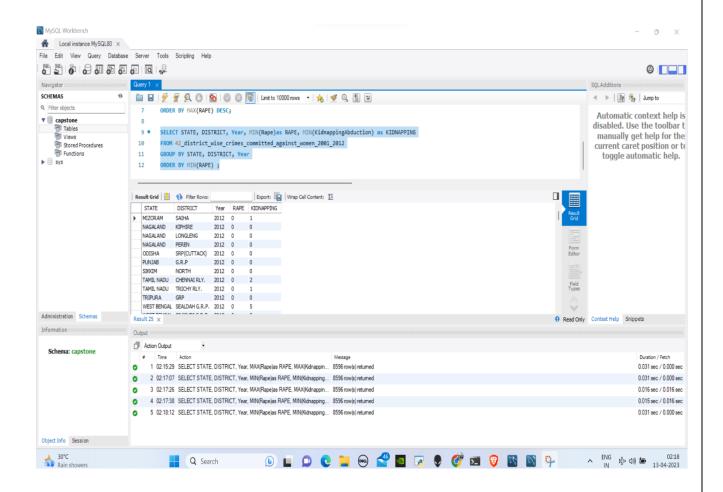
SELECT STATE, DISTRICT, Year, MAX(Rape)as RAPE, MAX(KidnappingAbduction) as KIDNAPPING

FROM 42 district wise crimes committed against women 2001 2012

GROUP BY STATE, DISTRICT, Year

ORDER BY MAX(RAPE) DESC;

3.3 Write SQL query to find All the lowest number of rapes & Kidnappings that happened in which state, District, and year



Query for this question is

SELECT STATE, DISTRICT, Year, MIN(Rape) as RAPE, MIN(KidnappingAbduction) as KIDNAPPING

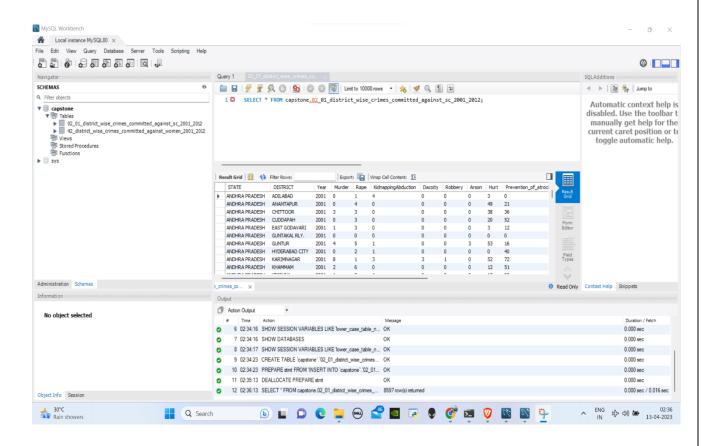
FROM 42 district\_wise\_crimes\_committed\_against\_women\_2001\_2012

GROUP BY STATE, DISTRICT, Year

ORDER BY MIN(RAPE);

#### 3.4 Insert records from

02\_District\_wise\_crimes\_committed\_against\_ST\_2001\_2012.csv into a new table

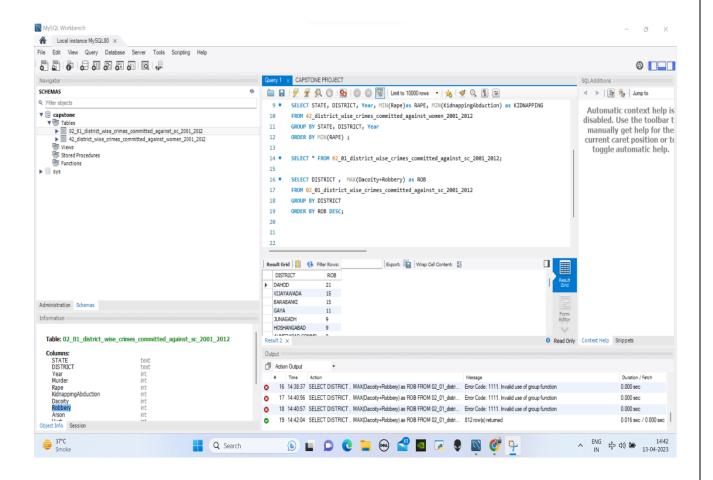


## Query for that

Import the excel file and to see all the records type this

SELECT \* FROM 02\_01\_district\_wise\_crimes\_committed\_against\_sc\_2001\_2012;

3.5 Write SQL query to find the highest number of dacoity/robbery in which district.



Query for this question is

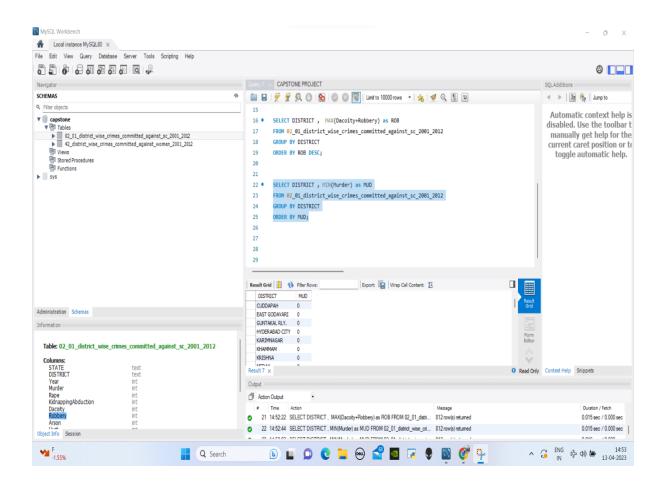
SELECT DISTRICT, MAX(Dacoity+Robbery) as ROB

FROM 02\_01\_district\_wise\_crimes\_committed\_against\_sc\_2001\_2012

**GROUP BY DISTRICT** 

ORDER BY ROB DESC;

3.6 Write SQL query to find in which districts(All) the lowest number of murders happened.



Query for this question is

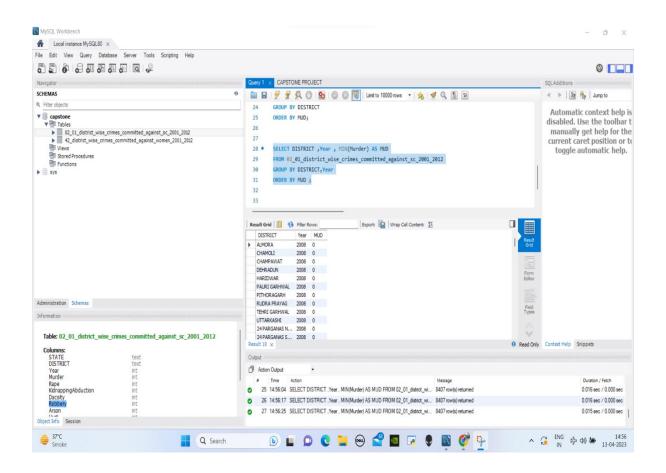
SELECT DISTRICT, MIN(Murder) as MUD

FROM 02\_01\_district\_wise\_crimes\_committed\_against\_sc\_2001\_2012

**GROUP BY DISTRICT** 

ORDER BY MUD;

3.7 Write SQL query to find the number of murders in ascending order in district and yearwise.



Query for this question is

SELECT DISTRICT, Year, MIN(Murder) AS MUD

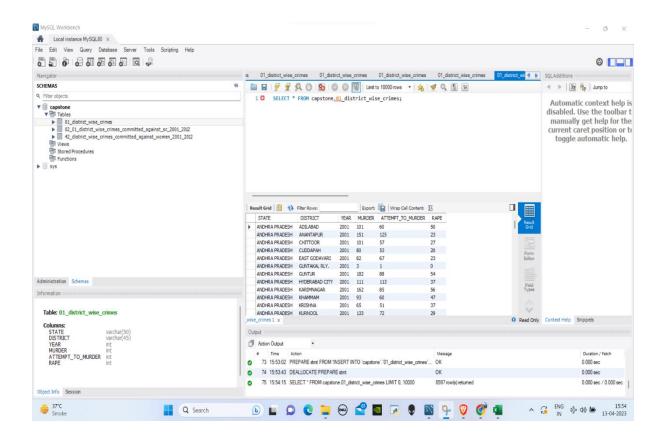
FROM 02\_01\_district\_wise\_crimes\_committed\_against\_sc\_2001\_2012

GROUP BY DISTRICT, Year

ORDER BY MUD;

# 3.8.1 Insert records of STATE/UT, DISTRICT, YEAR, MURDER, ATTEMPT TO MURDER, and RAPE columns only from

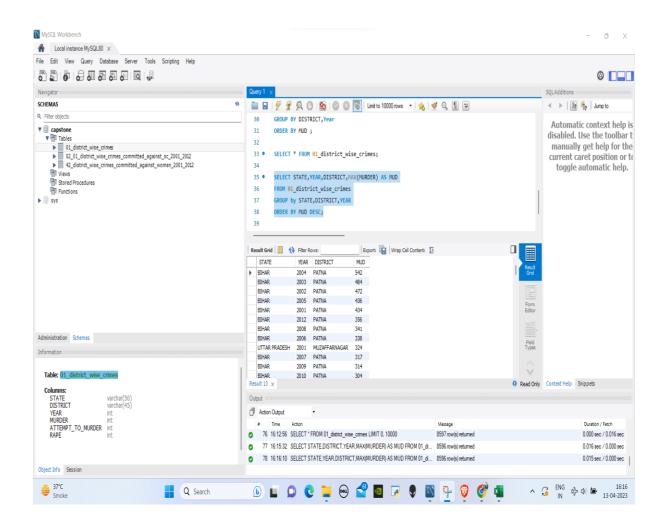
01 District wise crimes committed IPC 2001 2012.csv into a new table



### Query for that

Import the excel file with selected column which we want and to see all the records type this SELECT \* FROM 01 district wise crimes;

3.8.2 Write SQL query to find which District in each state/ut has the highest number of murders yearwise. Your output should show STATE/UT, YEAR, DISTRICT, and MURDERS.



Query for this question is

SELECT STATE, YEAR, DISTRICT, MAX (MURDER) AS MUD

FROM 01\_district\_wise\_crimes

GROUP by STATE, DISTRICT, YEAR

ORDER BY MUD DESC;

3.8.3 Store the above data (the result of 3.2) in DataFrame and analyze districts that appear 3 or more than 3 years and print the corresponding state/ut, district, murders, and year in descending order.

```
Query for this question is
SELECT * FROM answer;
SELECT STATE, DISTRICT, MUD, YEAR
FROM answer
WHERE DISTRICT IN (
      SELECT DISTRICT
      FROM answer
      GROUP BY DISTRICT
      HAVING COUNT(DISTINCT YEAR) >= 3
)
ORDER BY DISTRICT DESC, YEAR DESC;
Student of DataScience
Student of DataTrained- Saurav
Date - 11-4-2023
Time - 15:37
```