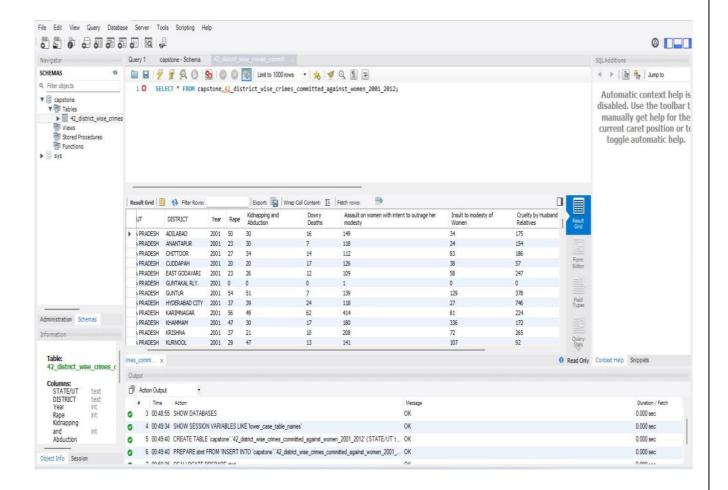
Phase 3 SOL operations

- 3.1 Insert records from
- 42_District_wise_crimes_committed_against_women_2001_2012.csv into a table

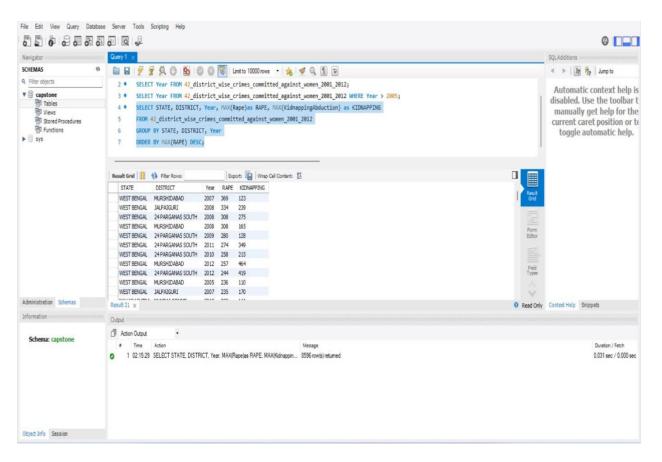


Query for that

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

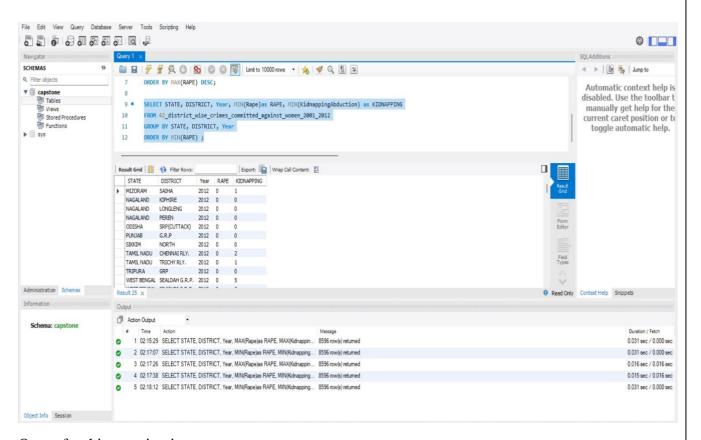
SELECT STATE, DISTRICT, Year, MAX(Rape) as RAPE, MAX(KidnappingAbduction) as KIDNAPPING

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

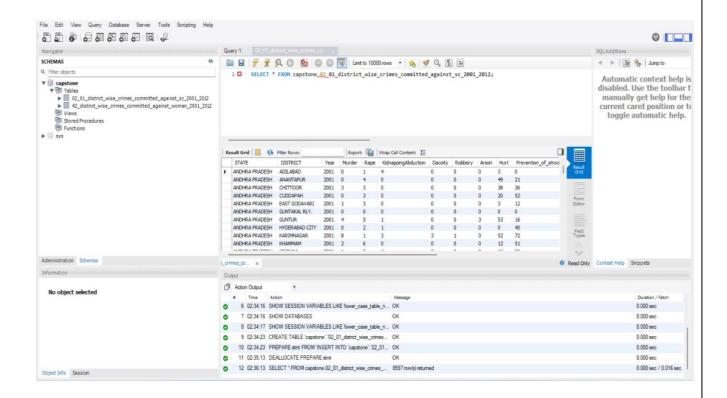
FROM 42_district_wise_crimes_committed_against_women_2001_2012

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

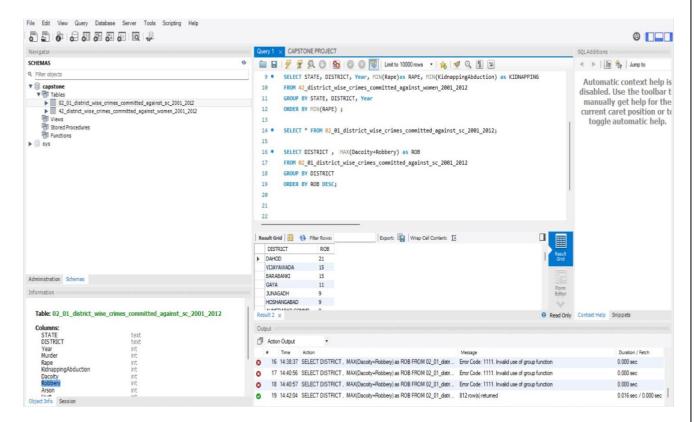


Query for that

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

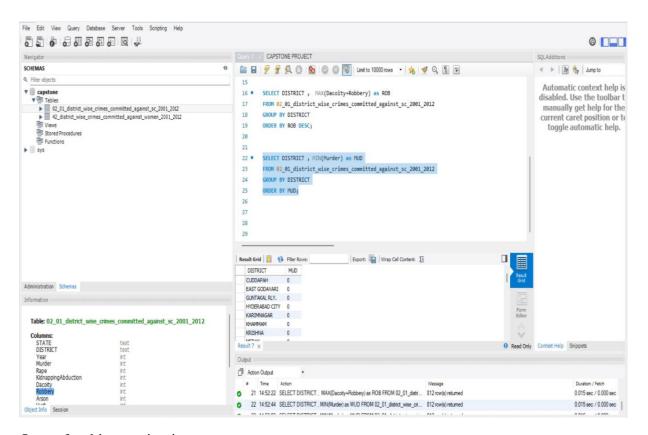
SELECT DISTRICT, MAX(Dacoity+Robbery) as ROB

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

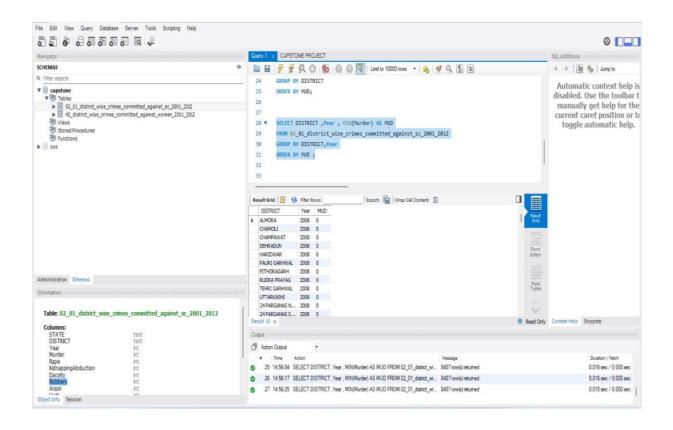
SELECT DISTRICT, MIN(Murder) as MUD

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

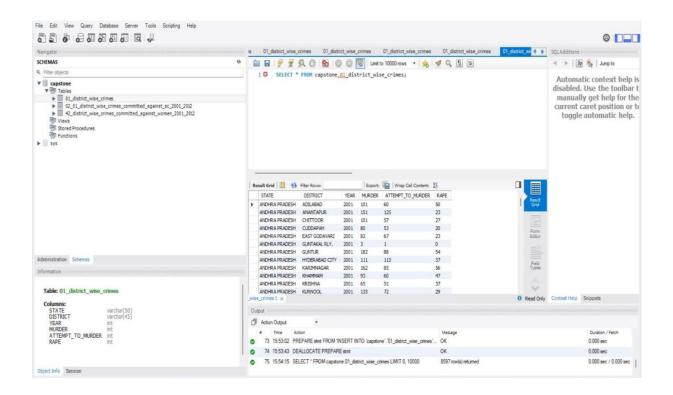
FROM 02_01_district_wise_crimes_committed_against_sc_2001_2012

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

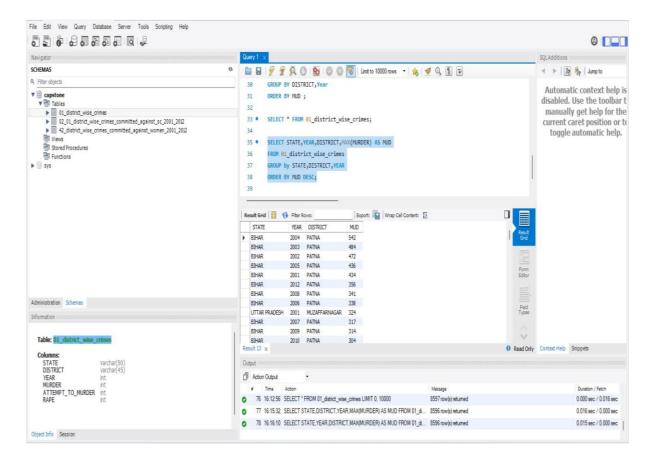
01_District_wise_crimes_committed_IPC_2001_2012.csv into a new table



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;
```