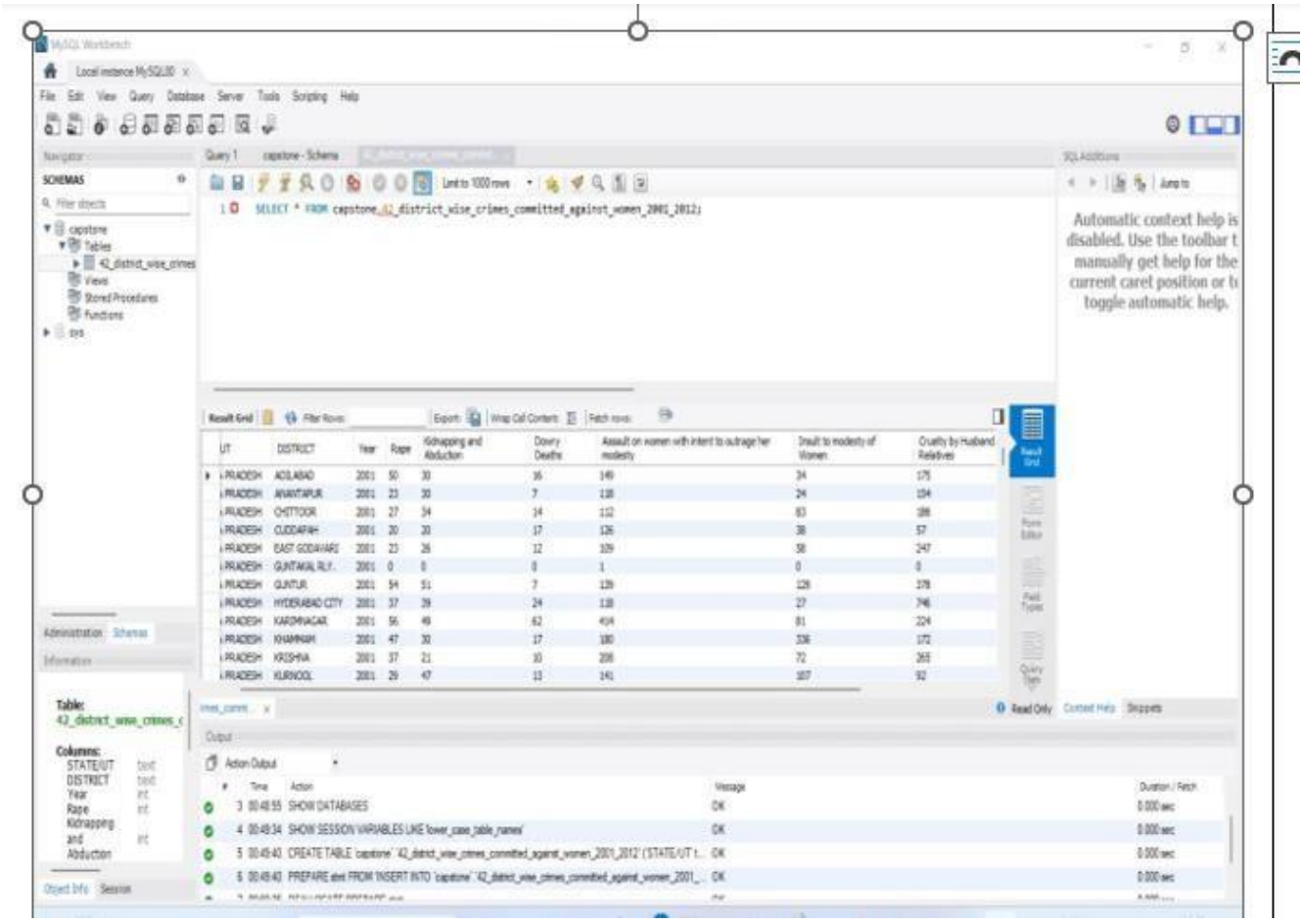
Phase 3 SQL operations

3.1 Insert records from 42_District_wise_crimes_committed_against_women_2001_2012.csv into a table

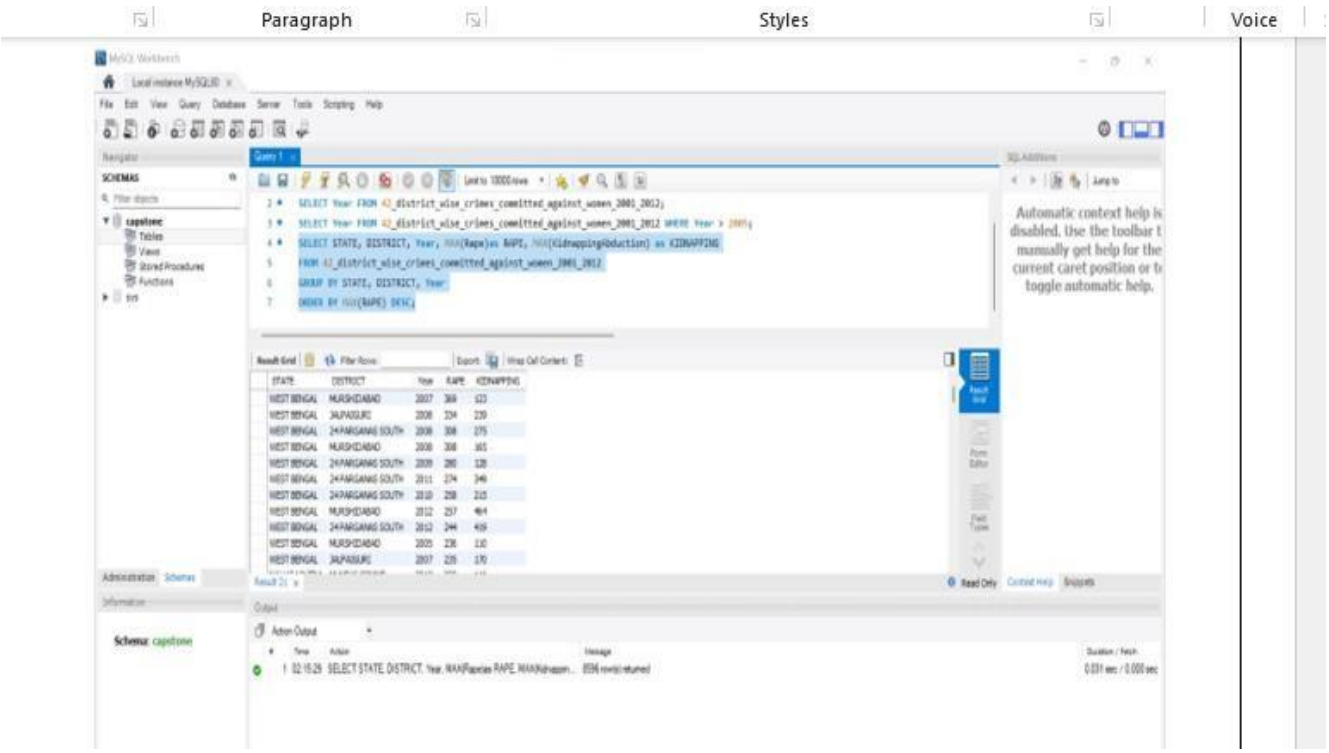


Query for that

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

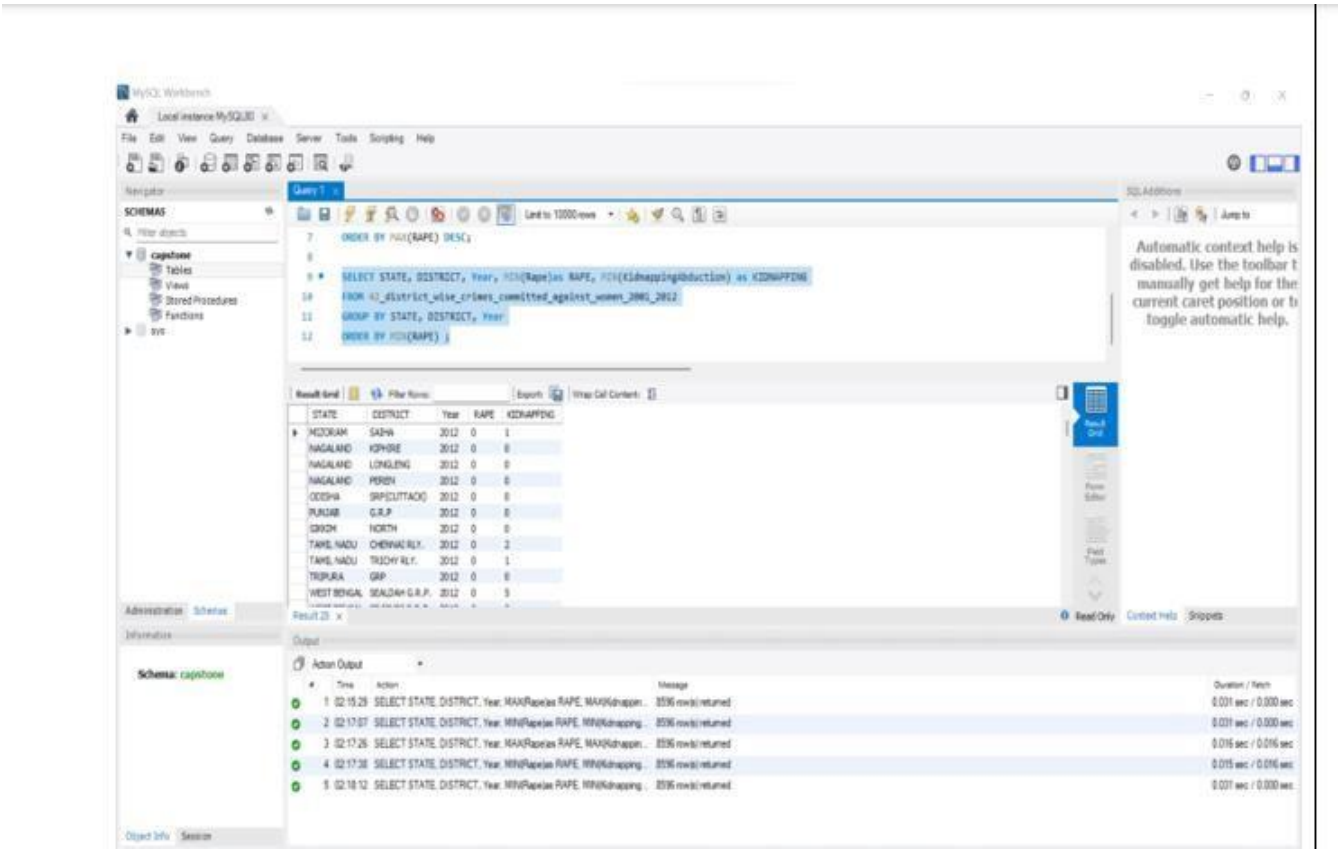
SELECT STATE, DISTRICT, Year, MAX(Rape)as RAPE, MAX(KidnappingAbduction) as KIDNAPPING

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

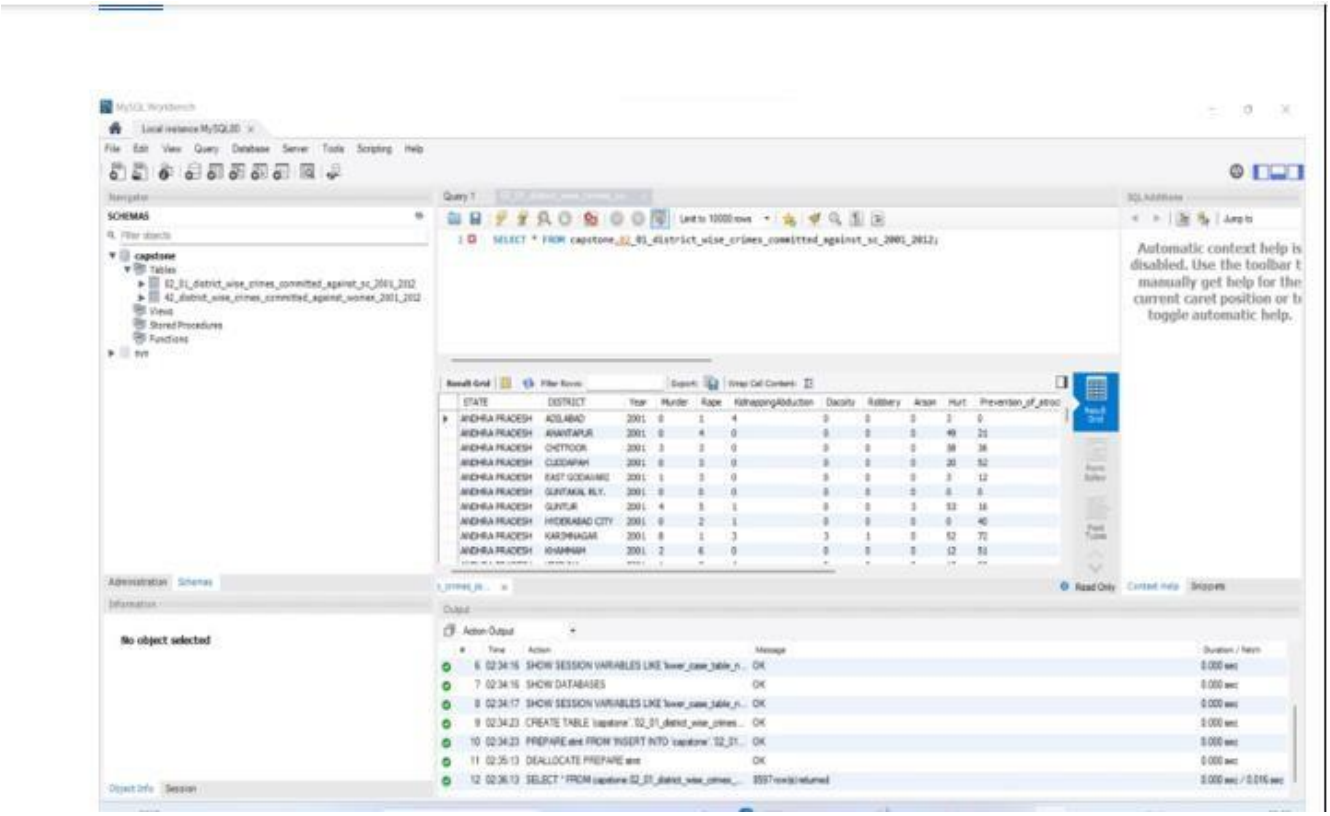
SELECT STATE, DISTRICT, Year, MIN(Rape)as RAPE, MIN(KidnappingAbduction) as KIDNAPPING

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

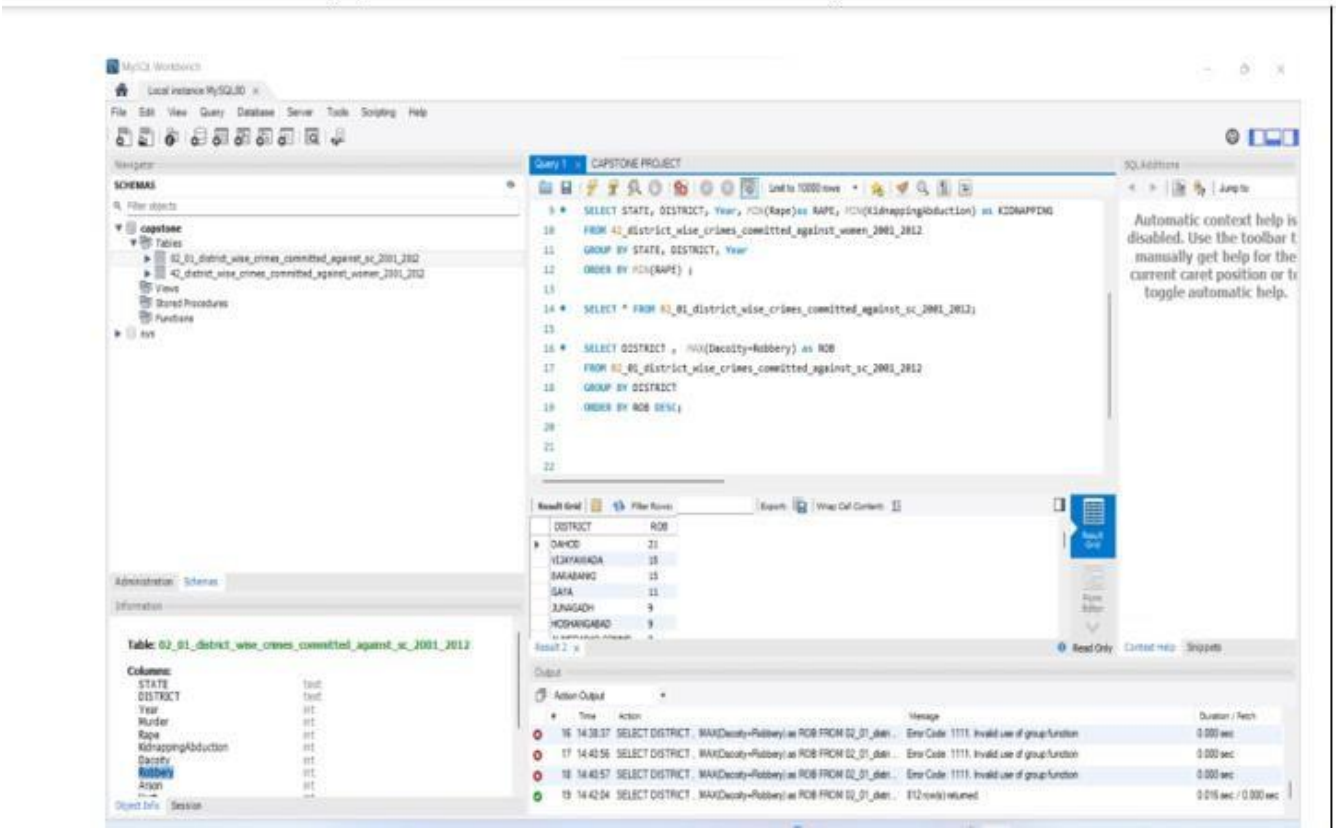


Query for that

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

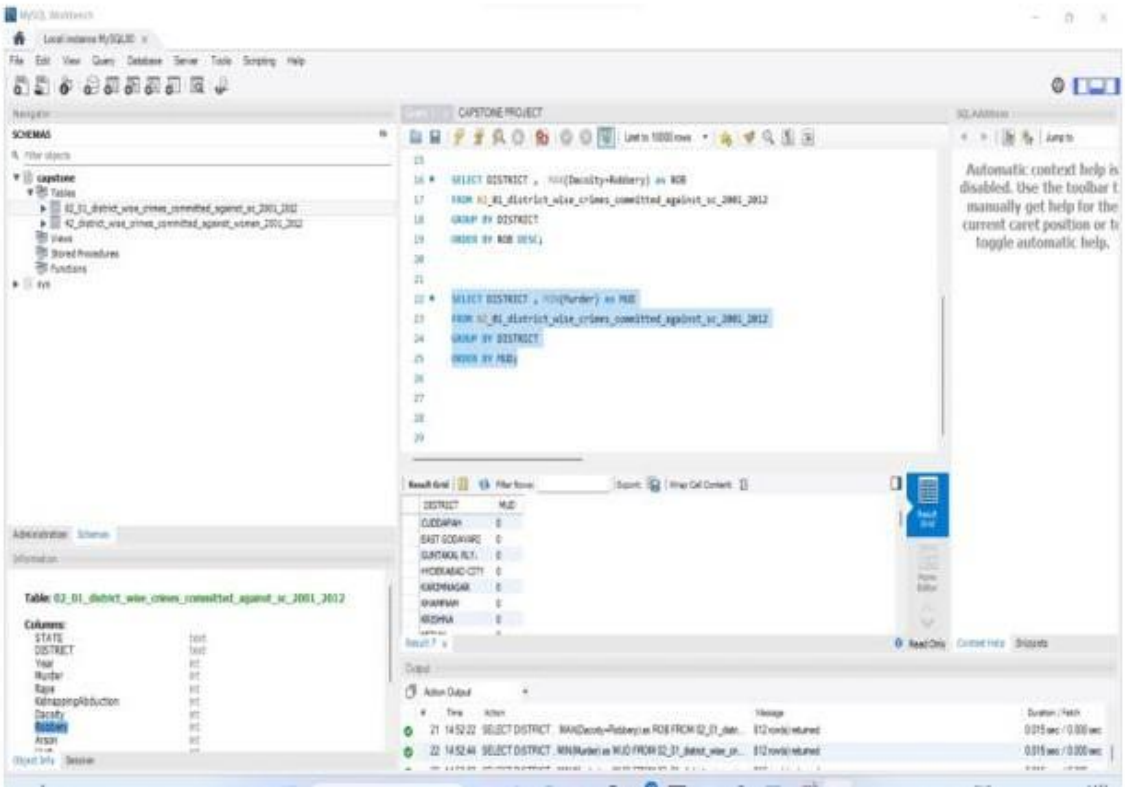
SELECT DISTRICT , MAX(Dacoity+Robbery) as ROB

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

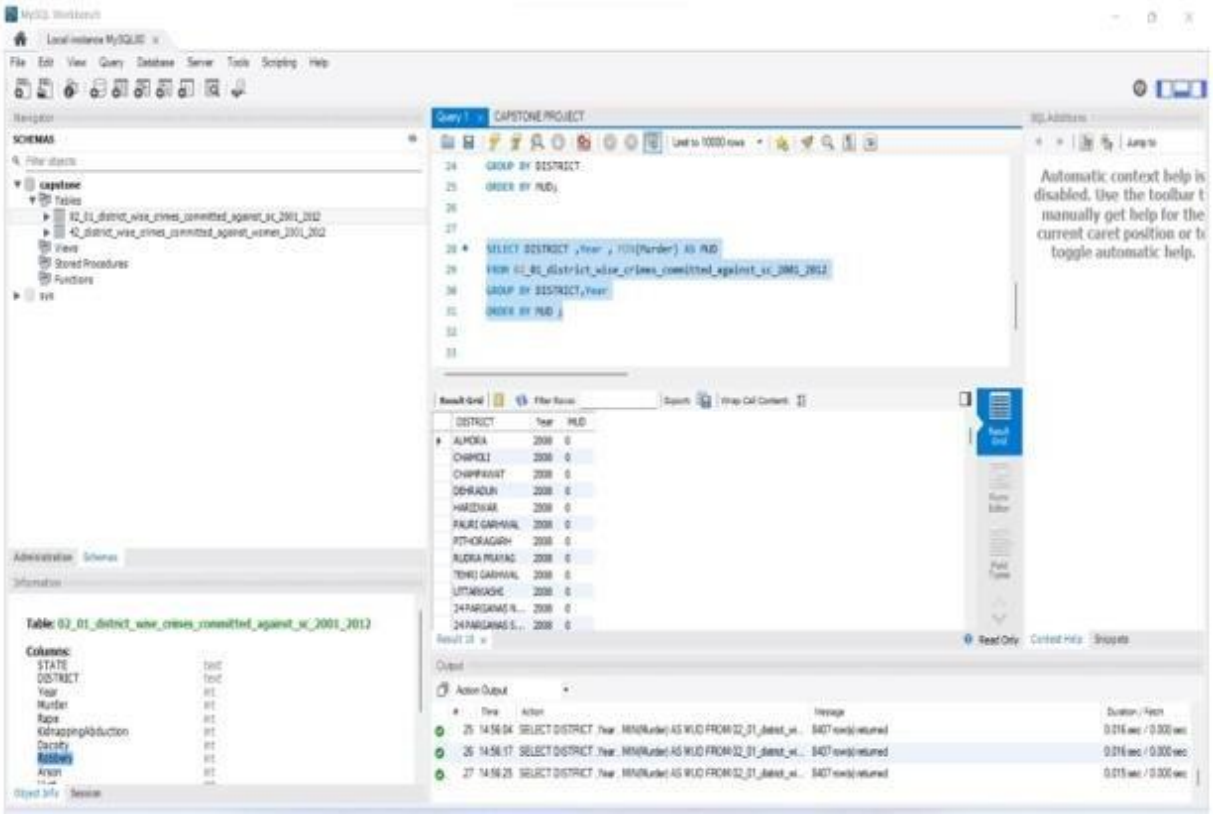
SELECT DISTRICT , MIN(Murder) as MUD

FROM 02_01_district_wise_crimes_committed_against_sc_2001_2012

GROUP BY DISTRICT

ORDER BY MUD;

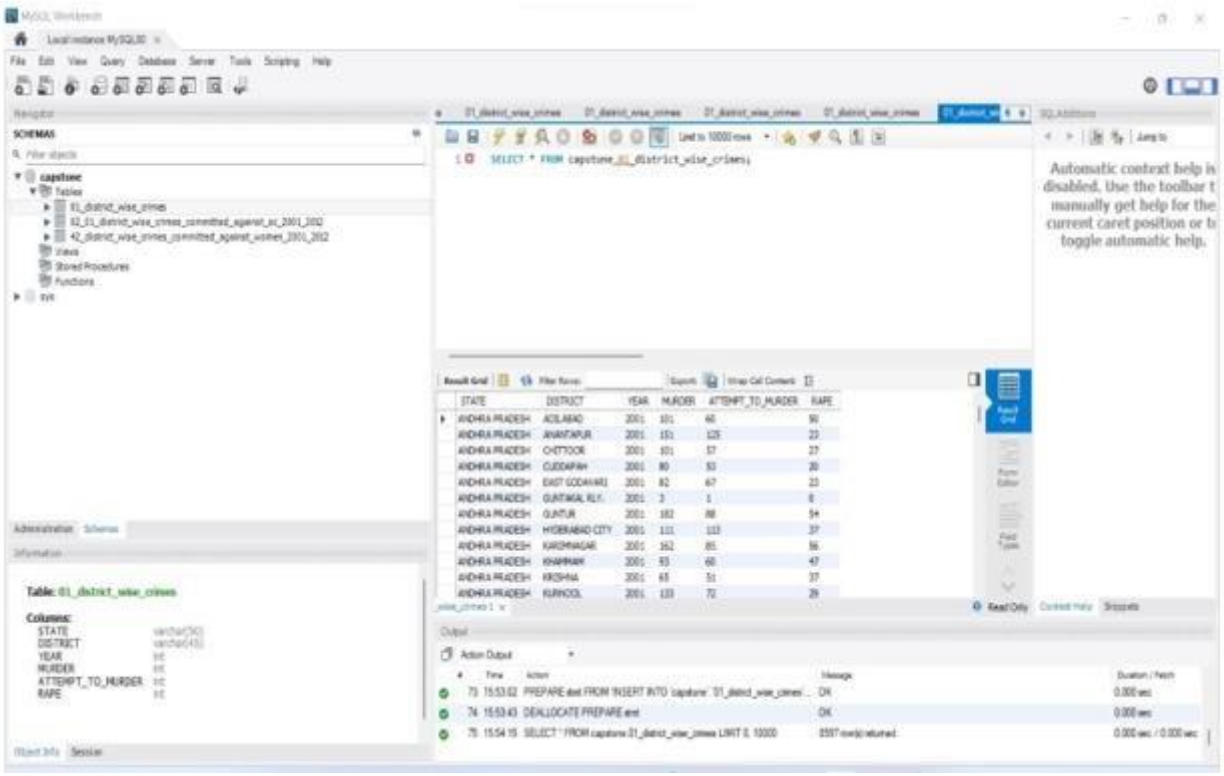
3.7 Write SQL query to find the number of murders in ascending order in district and yearwise.



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

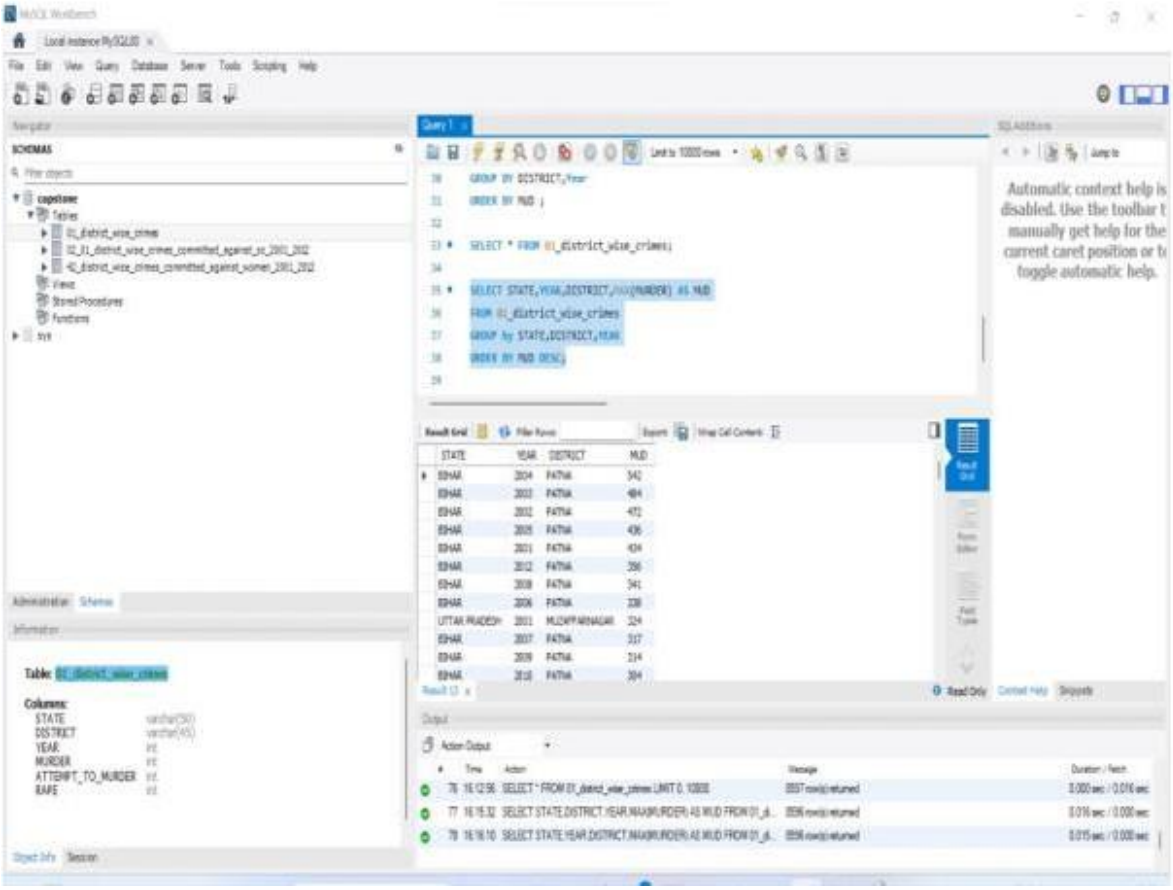


Query for that

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- Amit

Kumar Sharma

Date - 12-05-2024

Time - 18:30