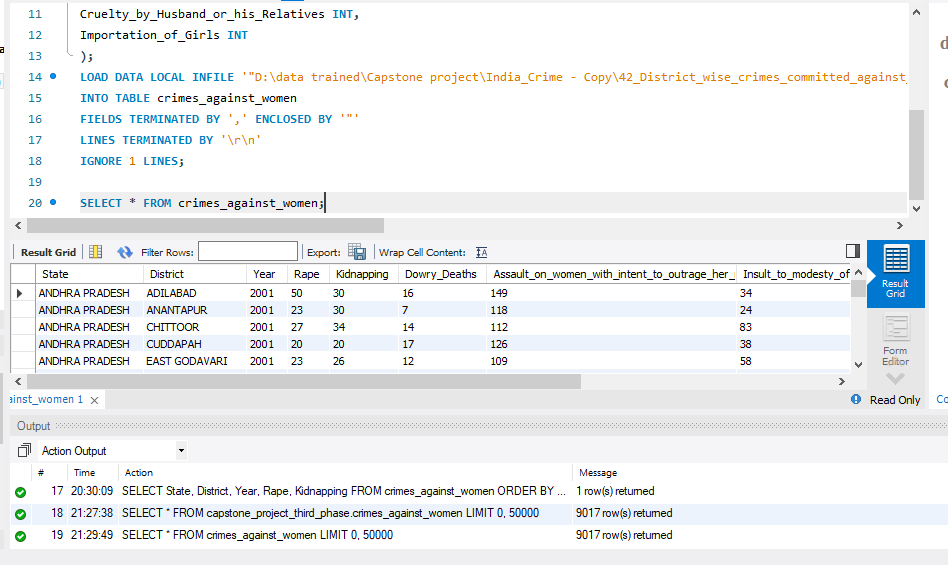
3.1 Insert records from 42\_District\_wise\_crimes\_committed\_against\_women\_2001\_2012.csv into a table

Answer:-



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

Answer:-

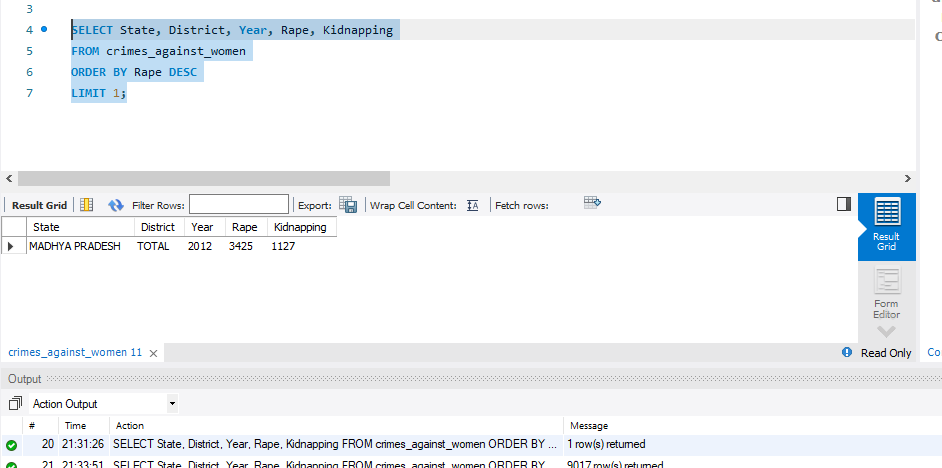
Here I had to use 2 queries because State name of highest Rape and Kidnapping Is different.

**Query:-** SELECT State, District, Year, Rape, Kidnapping

FROM crimes\_against\_women

ORDER BY Rape DESC

LIMIT 1;

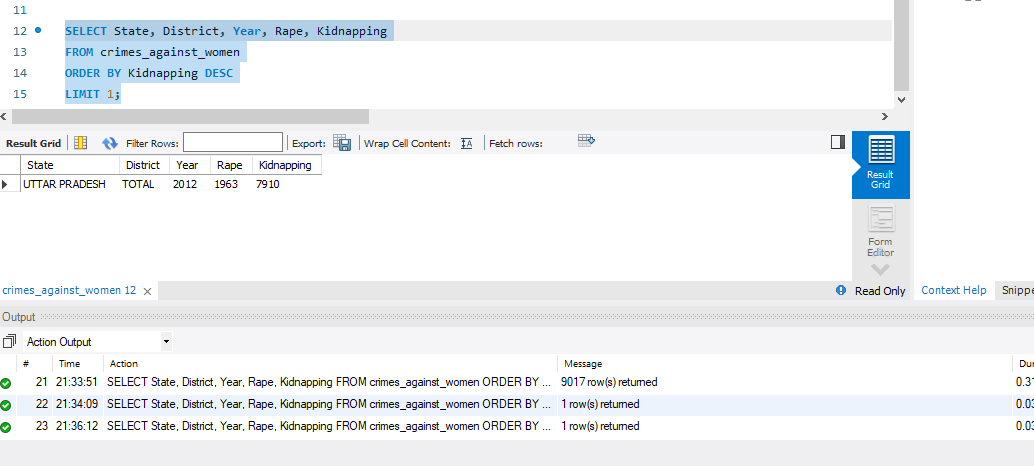


**Query:-** SELECT State, District, Year, Rape, Kidnapping

FROM crimes\_against\_women

ORDER BY Kidnapping DESC

LIMIT 1;



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

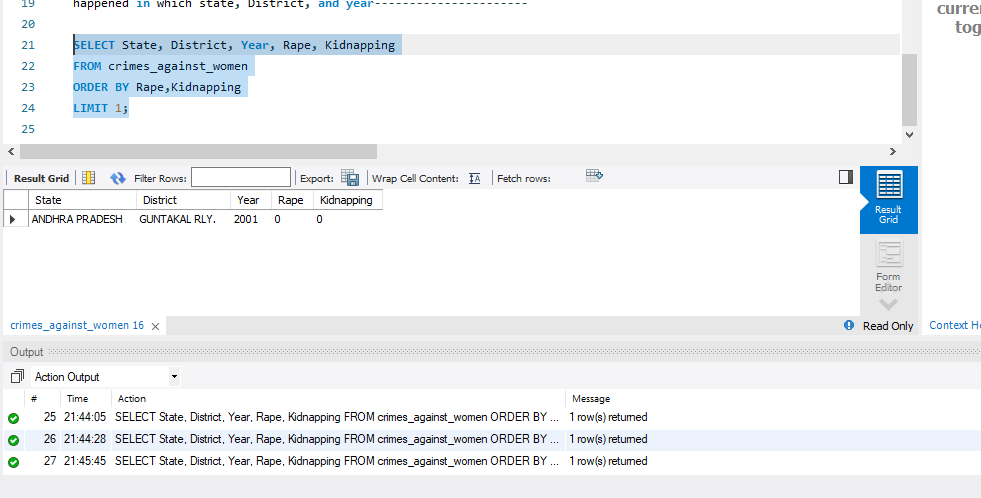
Answer:-

**Query:-** SELECT State, District, Year, Rape, Kidnapping

FROM crimes\_against\_women

ORDER BY Rape,Kidnapping

LIMIT 1;



Here I fetched the data with Rape and Kidnapping values with the state, District, and year

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

Answer:-

**Query:-** CREATE TABLE District\_wise\_crimes\_committed\_against\_ST (

STATE VARCHAR(20),

DISTRICT VARCHAR(40),

Year INT,

Murder INT,

Rape INT,

Kidnapping INT,

Dacoity\_Robbery\_Arson INT,

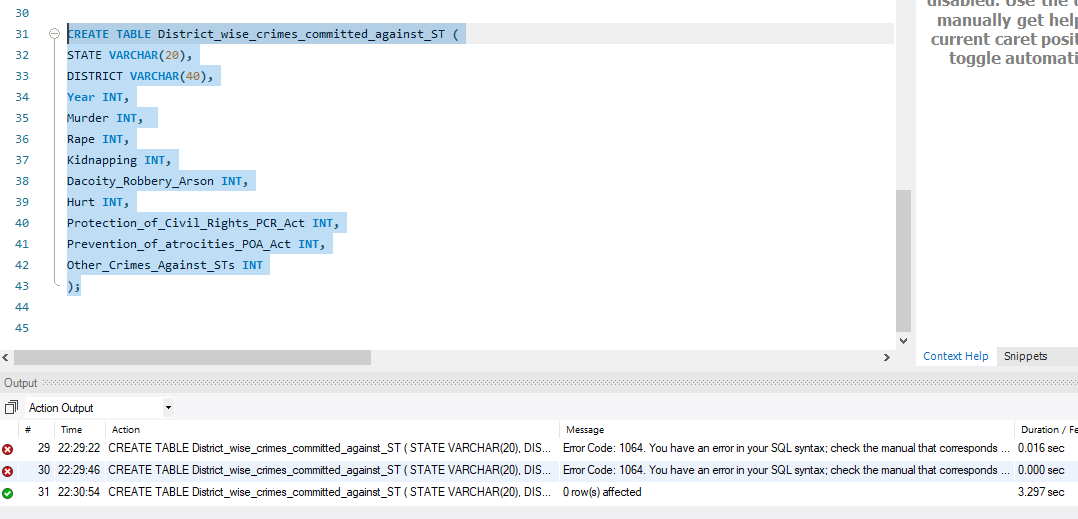
Hurt INT,

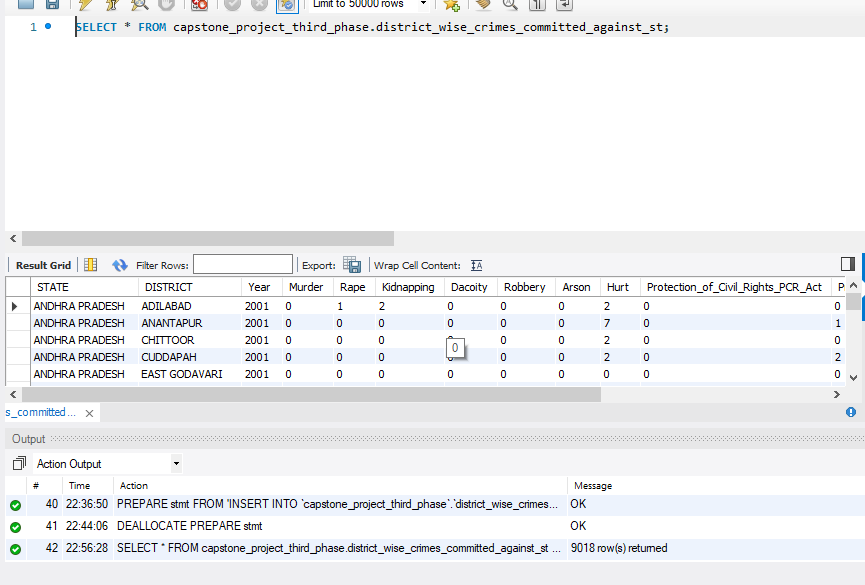
Protection\_of\_Civil\_Rights\_PCR\_Act INT,

Prevention\_of\_atrocities\_POA\_Act INT,

Other\_Crimes\_Against\_STs INT

);





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

Answer:-

Here two questions are present: -

**Query: -** SELECT DISTRICT,SUM(Dacoity) AS Total\_Dacoity

FROM

district\_wise\_crimes\_committed\_against\_st

WHERE DISTRICT != "TOTAL"

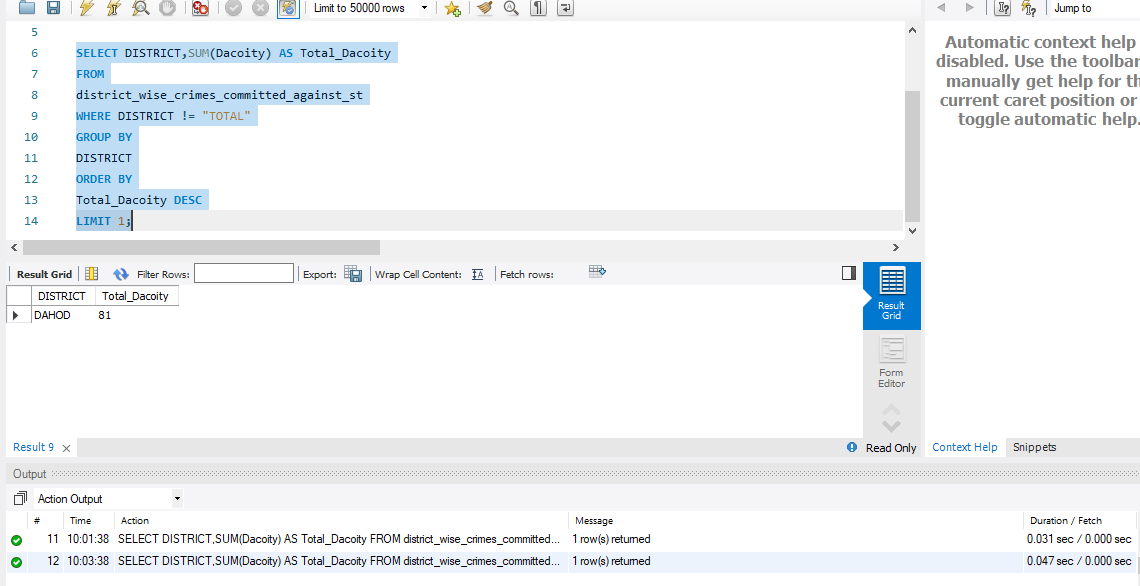
GROUP BY

DISTRICT

ORDER BY

Total\_Dacoity DESC

LIMIT 1;



**Query: -** SELECT DISTRICT,SUM(Robbery) AS Total\_Robbery

FROM

district\_wise\_crimes\_committed\_against\_st

WHERE DISTRICT != "TOTAL"

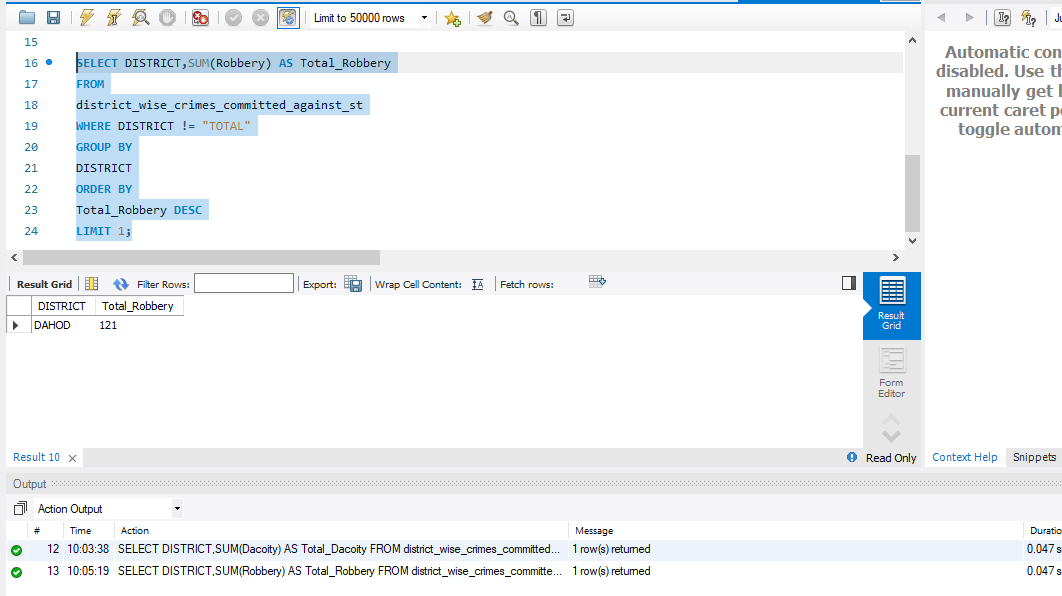
GROUP BY

DISTRICT

ORDER BY

Total\_Robbery DESC

LIMIT 1;



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

Ans:-

**Query: -**SELECT DISTRICT,SUM(Murder) AS Total\_Murder

FROM

district\_wise\_crimes\_committed\_against\_st

WHERE DISTRICT != "Total"

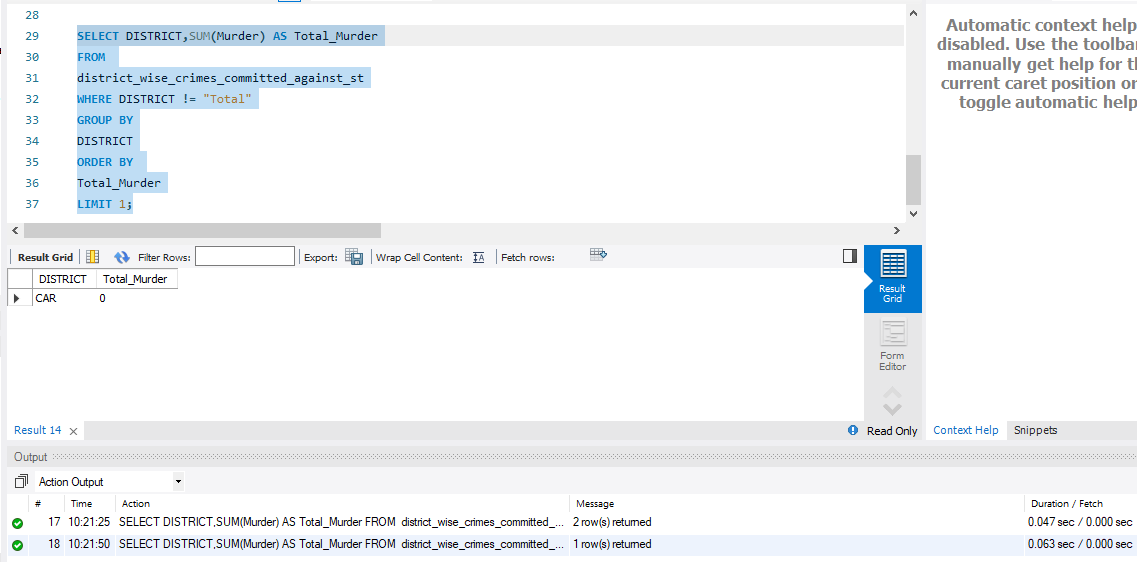
GROUP BY

DISTRICT

ORDER BY

Total\_Murder

LIMIT 1;



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

Ans:-

**Query: -** SELECT DISTRICT,Year,SUM(Murder) AS Total\_Murder

FROM

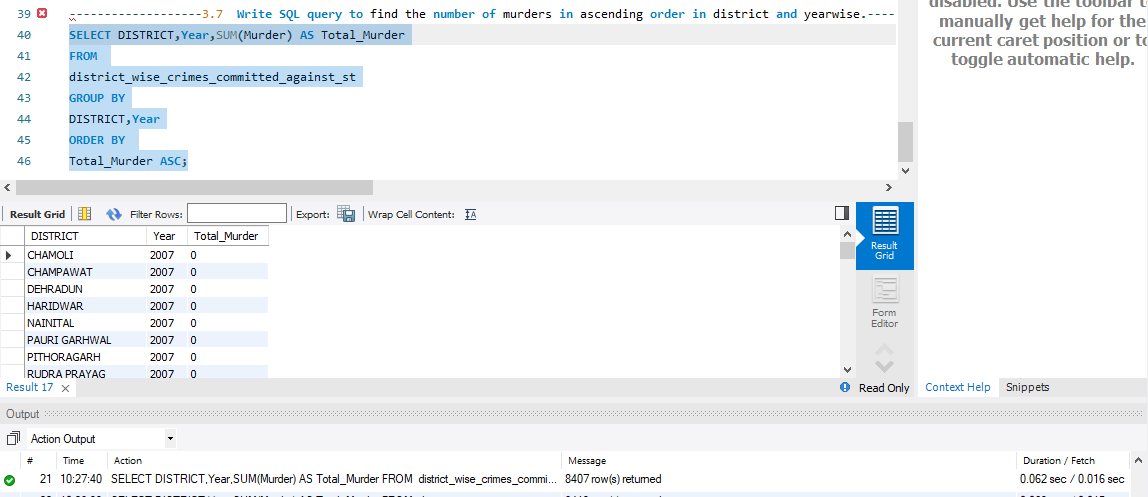
district\_wise\_crimes\_committed\_against\_st

GROUP BY

DISTRICT,Year

ORDER BY

Total\_Murder ASC;



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

Ans: -

**Query: -** CREATE TABLE District\_wise\_crimes\_committed\_IPC\_2001\_2012 (

STATE VARCHAR(20),

DISTRICT VARCHAR(30),

YEAR INT,

MURDER INT,

ATTEMPT\_TO\_MURDER INT,

CULPABLE\_HOMICIDE\_NOT\_AMOUNTING\_TO\_MURDER INT,

RAPE INT,

CUSTODIAL\_RAPE INT,

OTHER\_RAPE INT,

KIDNAPPING INT,

KIDNAPPING\_AND\_ABDUCTION\_OF\_WOMEN\_AND\_GIRLS INT,

KIDNAPPING\_AND\_ABDUCTION\_OF\_OTHERS INT,

DACOITY INT,

PREPARATION\_AND\_ASSEMBLY\_FOR\_DACOITY INT,

ROBBERY INT,

BURGLARY INT,

THEFT INT,

AUTO\_THEFT INT,

OTHER\_THEFT INT,

RIOTS INT,

CRIMINAL\_BREACH\_OF\_TRUST INT,

CHEATING INT,

COUNTERFIETING INT,

ARSON INT,

HURT\_GREVIOUS\_HURT INT,

DOWRY\_DEATHS INT,

ASSAULT\_ON\_WOMEN\_WITH\_INTENT\_TO\_OUTRAGE\_HER\_MODESTY INT,

INSULT\_TO\_MODESTY\_OF\_WOMEN INT,

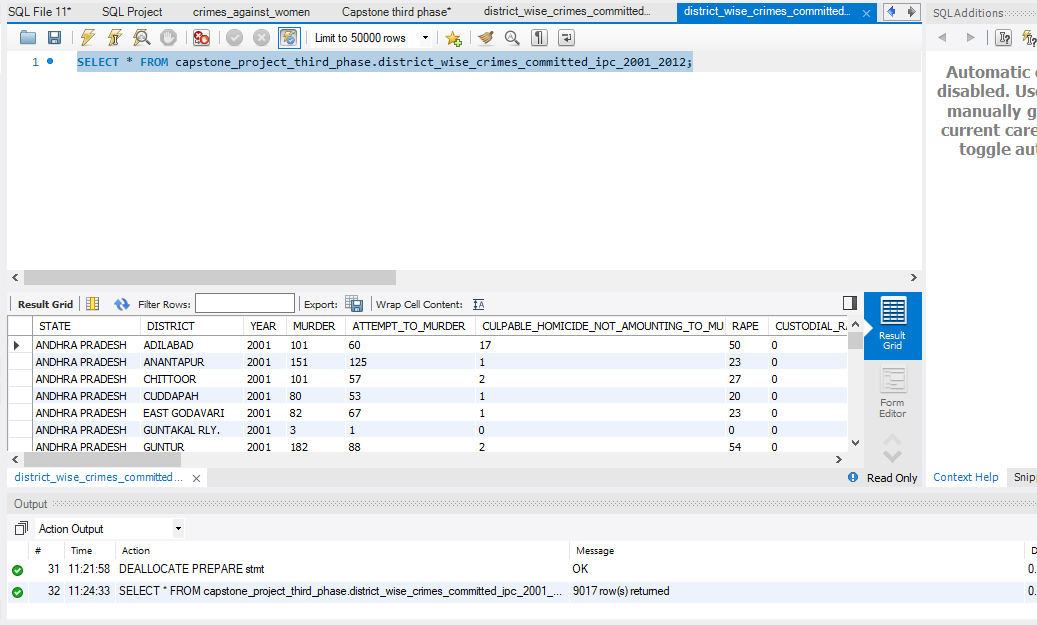
CRUELTY\_BY\_HUSBAND\_OR\_HIS\_RELATIVES INT,

IMPORTATION\_OF\_GIRLS\_FROM\_FOREIGN\_COUNTRIES INT,

CAUSING\_DEATH\_BY\_NEGLIGENCE INT,

OTHER\_IPC\_CRIMES INT,

TOTAL\_IPC\_CRIMES INT);



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.

Ans:-

**Query: -** WITH TotalDistricts AS (

SELECT \*

FROM district\_wise\_crimes\_committed\_ipc\_2001\_2012

WHERE DISTRICT = 'TOTAL'

),

MaxMurderDistricts AS (

SELECT

STATE,

YEAR,

DISTRICT,

MURDER AS MURDERS,

ROW\_NUMBER() OVER (PARTITION BY STATE, Year ORDER BY Murder DESC) AS RowNum

FROM district\_wise\_crimes\_committed\_ipc\_2001\_2012

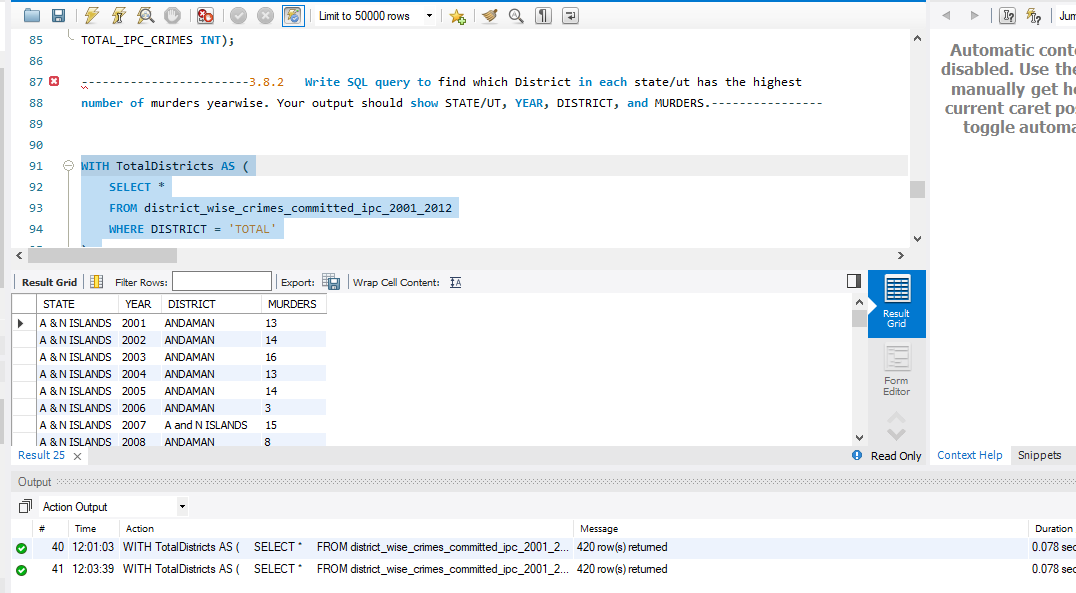
WHERE DISTRICT != 'TOTAL' -- Exclude rows where DISTRICT is "TOTAL"

)

SELECT STATE, YEAR, DISTRICT, MURDERS

FROM MaxMurderDistricts

WHERE RowNum = 1;



Storing the above output in a table named MaxMurderDistricts\_Output then I will export the table and will make it CSV file for 3.8.3 task.

Query: - CREATE TABLE MaxMurderDistricts\_Output (

STATE VARCHAR(20),

YEAR INT,

DISTRICT VARCHAR(30),

MURDERS INT

);

INSERT INTO MaxMurderDistricts\_Output (STATE, YEAR, DISTRICT, MURDERS)

SELECT STATE, YEAR, DISTRICT, MURDER

FROM (

SELECT

STATE,

YEAR,

DISTRICT,

MURDER,

ROW\_NUMBER() OVER (PARTITION BY STATE, Year ORDER BY Murder DESC) AS RowNum

FROM district\_wise\_crimes\_committed\_ipc\_2001\_2012

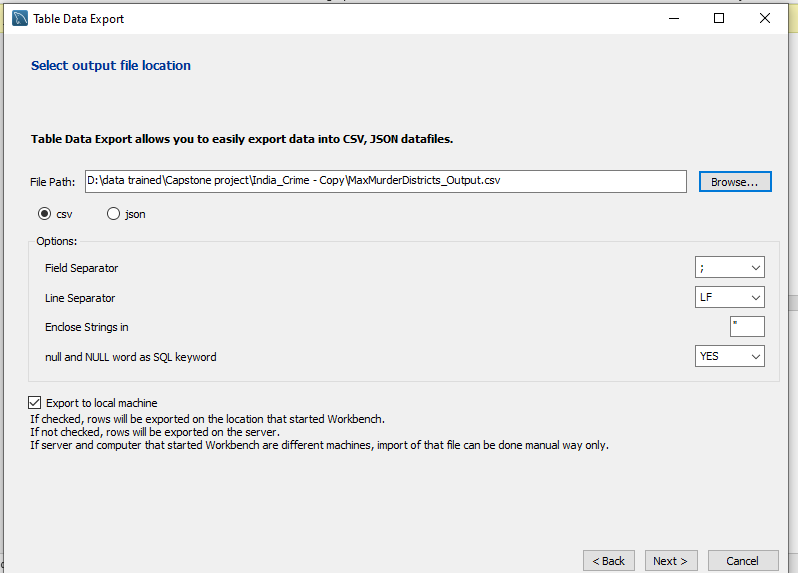
WHERE DISTRICT != 'TOTAL' -- Exclude rows where DISTRICT is "TOTAL"

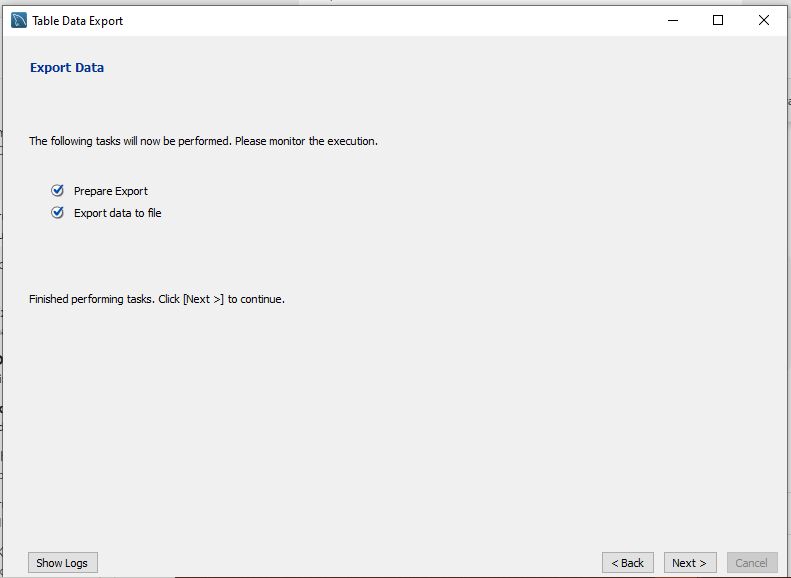
) AS MaxMurderDistricts

WHERE RowNum = 1;

SELECT \* FROM MaxMurderDistricts\_Output;

Exporting the MaxMurderDistricts\_Output





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.

Ans: -

This process and rest of the answers I have to complete on Jupiter note book. So please check that out.