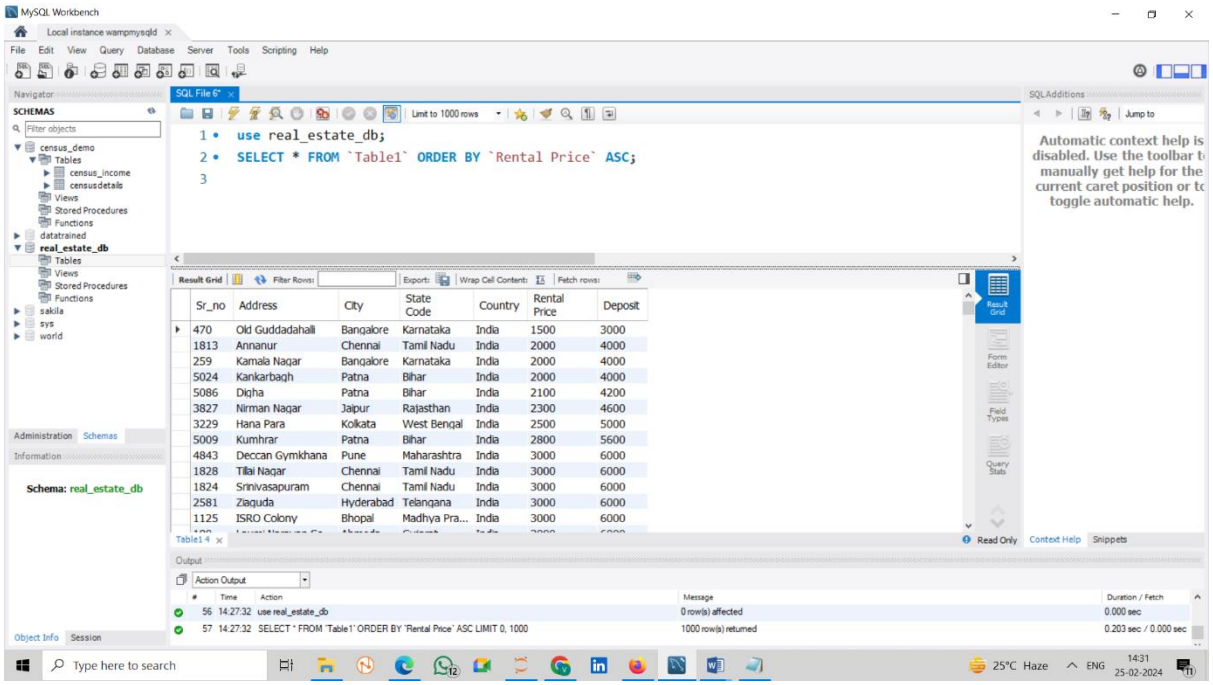
1) Write a SQL query to order records by a rental price column in ascending order.

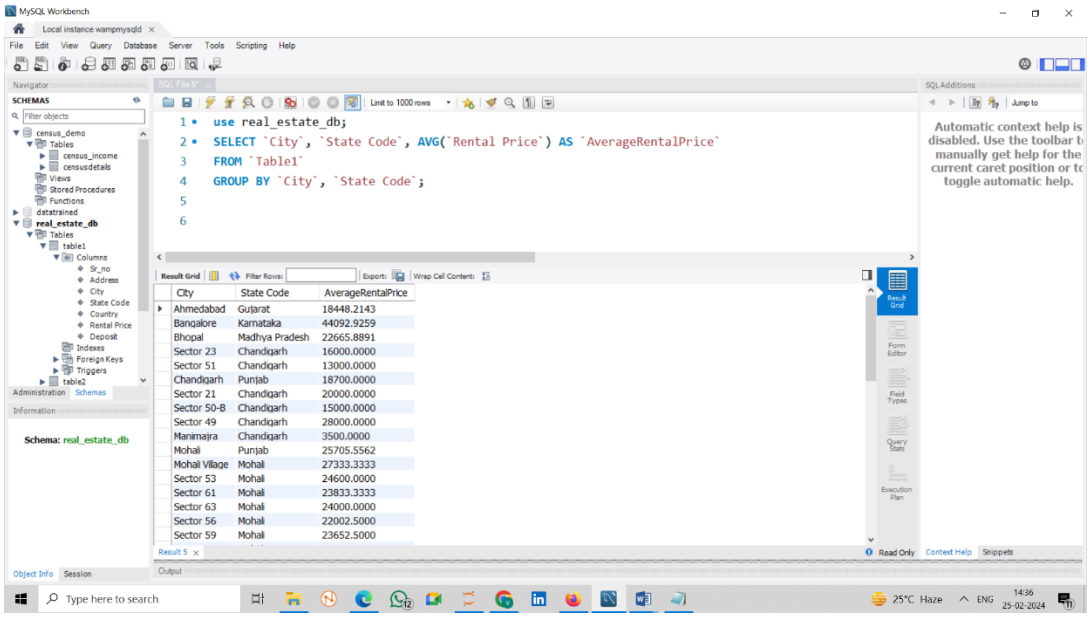
--- SELECT * FROM `Table1` ORDER BY `Rental Price` ASC;



2) 2 Write a SQL query to select unique combinations of City and State with their average Rental Price.

------- SELECT `City`, `State Code`, AVG(`Rental Price`) AS `AverageRentalPrice`

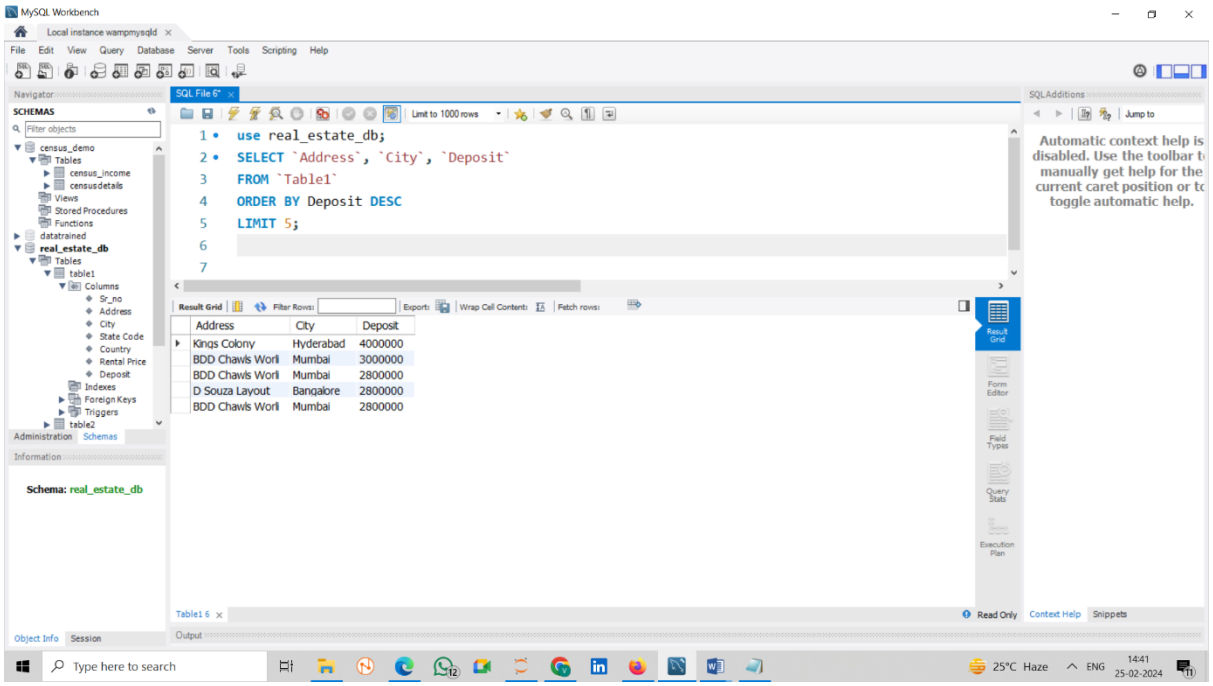
FROM `Table1` GROUP BY `City`, `State Code`;



3) Write a SQL query to select the top 5 highest deposit amounts with corresponding Address and City .

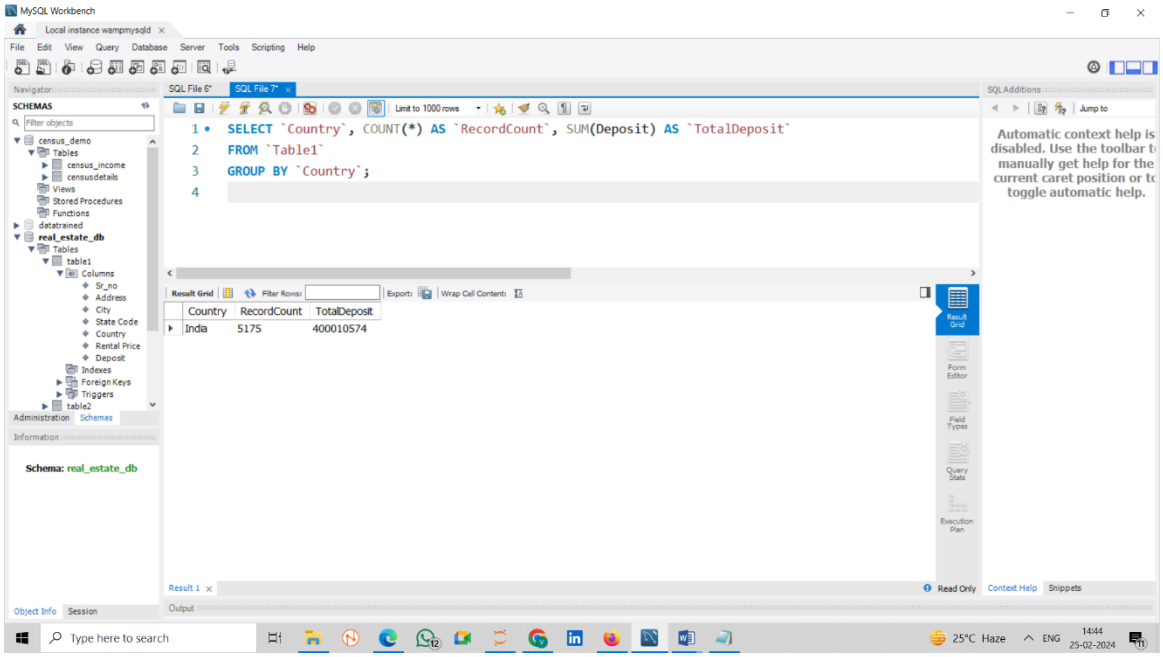
---- SELECT `Address`, `City`, `Deposit` FROM `Table1`

ORDER BY Deposit DESC LIMIT 5;



4) Write a SQL query to select the count of records for each Country along with the total deposit amount.

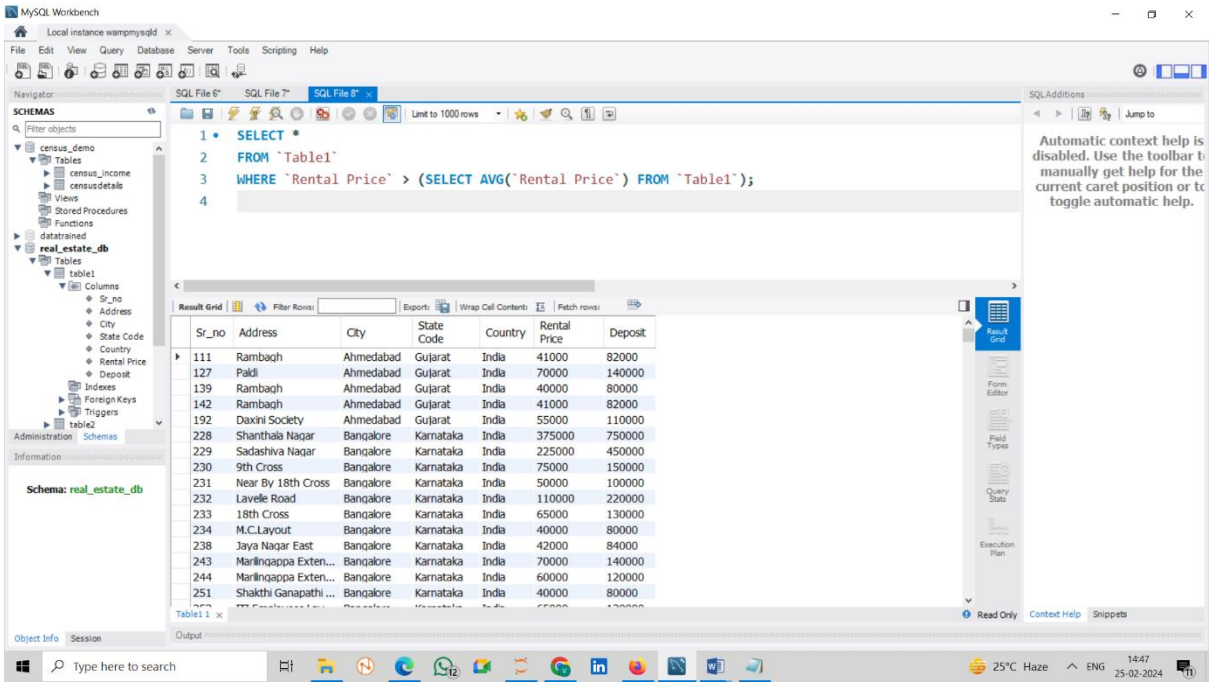
---- SELECT `Country`, COUNT(*) AS `RecordCount`, SUM(Deposit) AS `TotalDeposit` FROM `Table1` GROUP BY `Country`;



5) Write a SQL query to select records with a Rental Price higher than the average Rental Price across all records.

---- SELECT * FROM `Table1`

WHERE `Rental Price` > (SELECT AVG(`Rental Price`) FROM `Table1`);



Sr_no	Address	City	State Code	Country	Rental Price	Deposit
111	Rambagh	Ahmedabad	Gujarat	India	41000	82000
127	Paldi	Ahmedabad	Gujarat	India	70000	140000
139	Rambagh	Ahmedabad	Gujarat	India	40000	80000
142	Rambagh	Ahmedabad	Gujarat	India	41000	82000
192	Daxini Society	Ahmedabad	Gujarat	India	55000	110000
228	Shanthala Nagar	Bangalore	Karnataka	India	375000	750000
229	Sadashiva Nagar	Bangalore	Karnataka	India	225000	450000
230	9th Cross	Bangalore	Karnataka	India	75000	150000
231	Near By 18th Cross	Bangalore	Karnataka	India	50000	100000
232	Lavelle Road	Bangalore	Karnataka	India	110000	220000
233	18th Cross	Bangalore	Karnataka	India	65000	130000
234	M.C.Layout	Bangalore	Karnataka	India	40000	80000
238	Jaya Nagar East	Bangalore	Karnataka	India	42000	84000
243	Marilingappa Exten...	Bangalore	Karnataka	India	70000	140000
244	Marilingappa Exten...	Bangalore	Karnataka	India	60000	120000
251	Shakthi Ganapathi ...	Bangalore	Karnataka	India	40000	80000

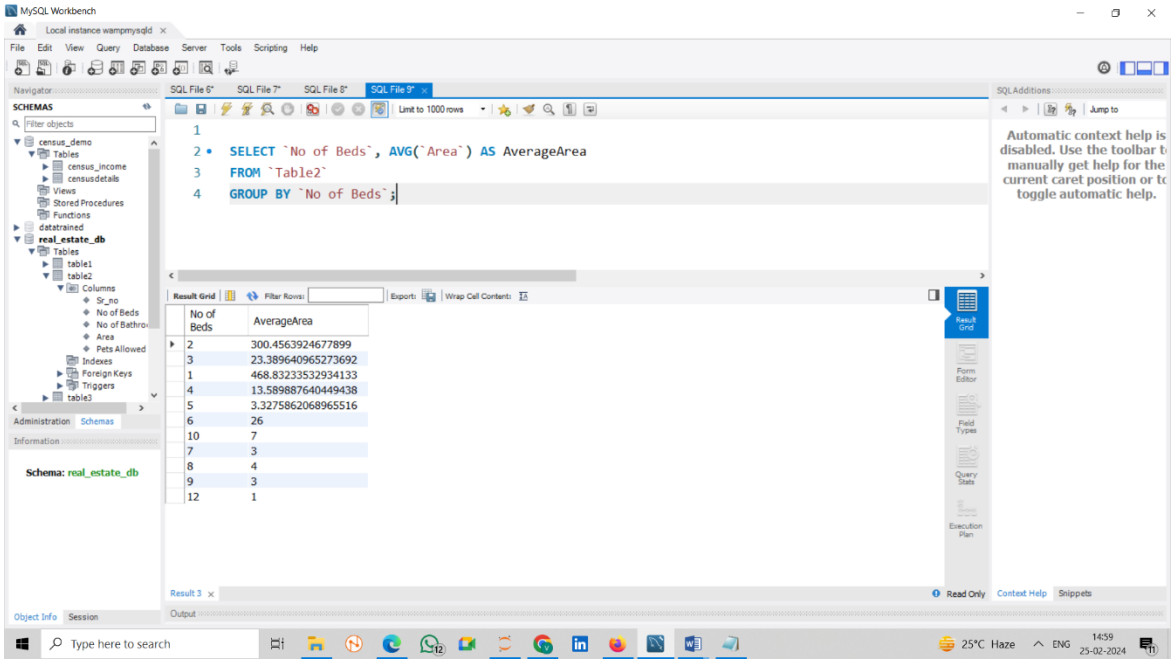
Table2

1) Write a SQL query to select the average area for each number of bedrooms.

--- SELECT `No of Beds`, AVG(`Area`) AS AverageArea

FROM `Table2`

GROUP BY `No of Beds`;

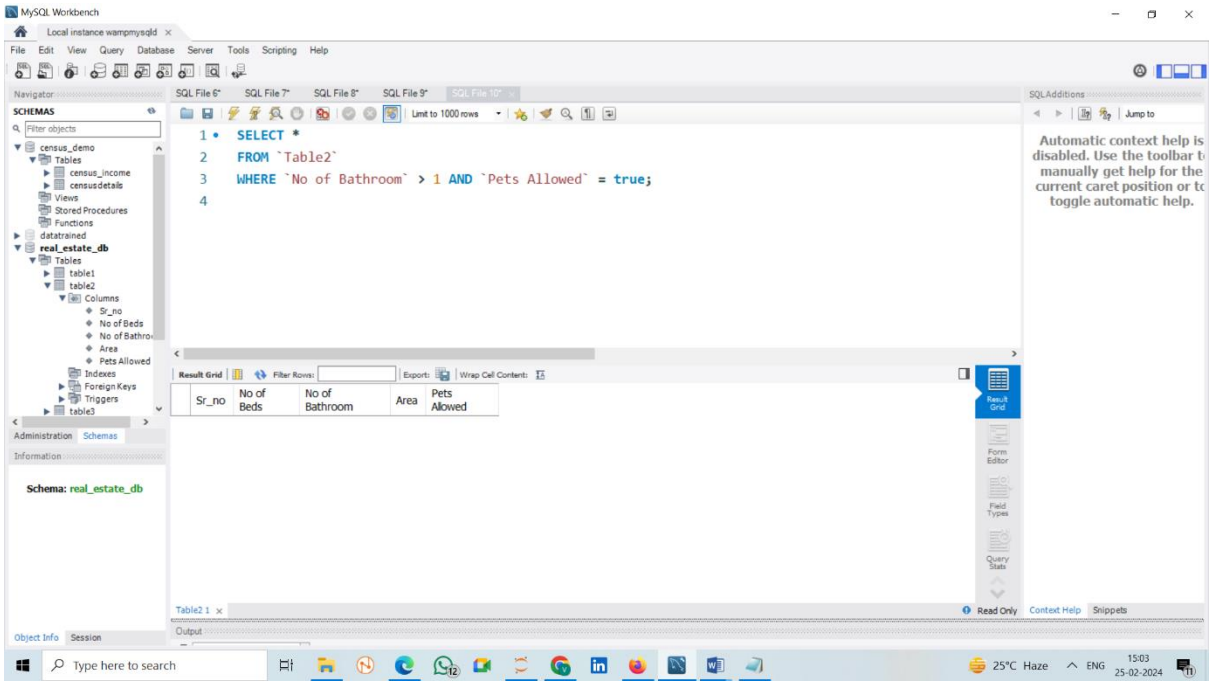


2) Write a SQL query to select records with more than one bathroom and pets allowed.

--- SELECT *

FROM `Table2`

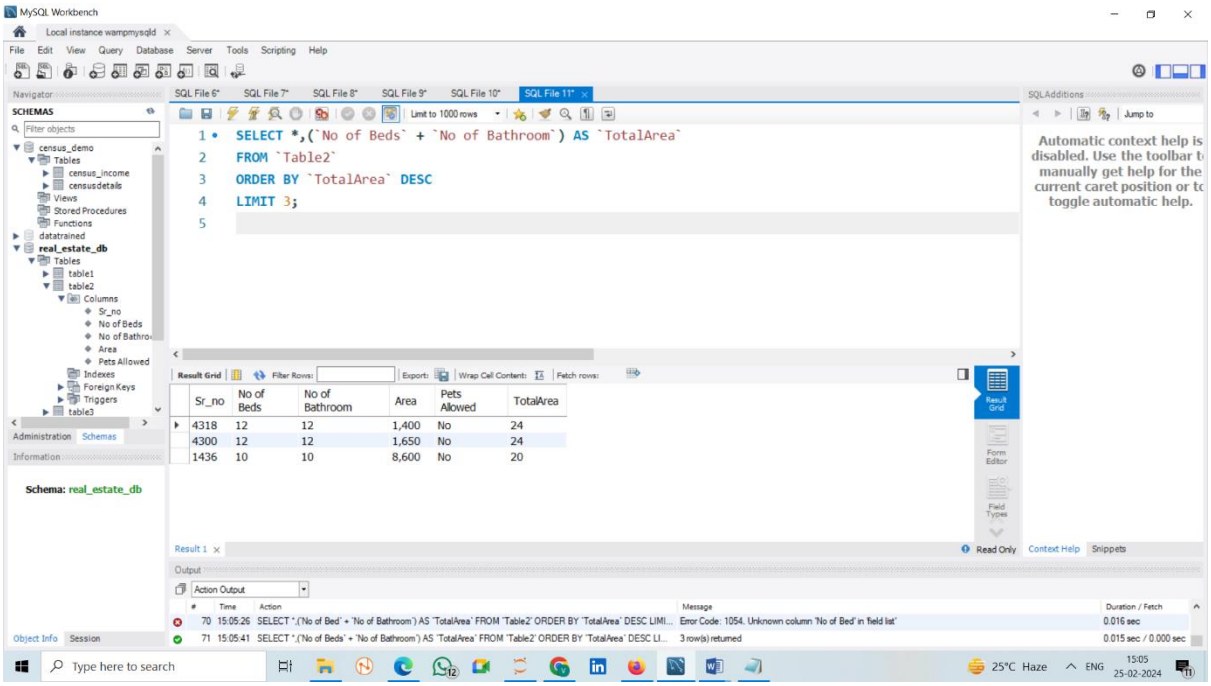
WHERE `No of Bathroom` > 1 AND `Pets Allowed` = true;



3) Write a SQL query to select the top 3 records with the highest total area (bedrooms + bathrooms).

--- SELECT *,(`No of Beds` + `No of Bathroom`) AS `TotalArea`

FROM `Table2` ORDER BY `TotalArea` DESC LIMIT 3;



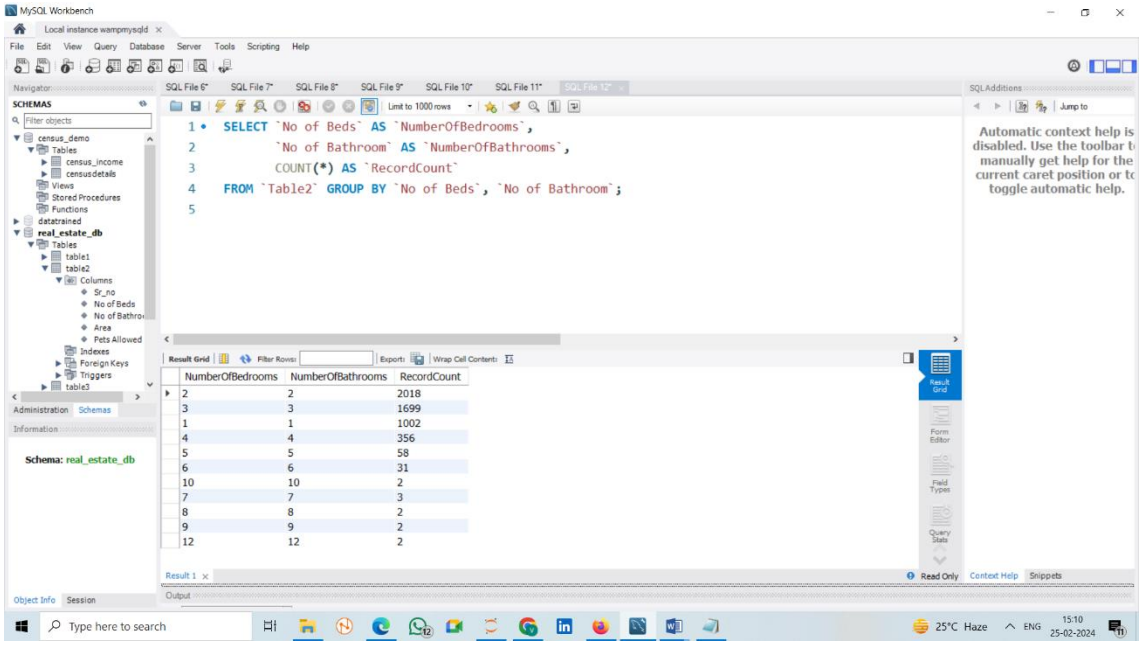
4) Write a SQL query to select the count of records for each combination of bedrooms and bathrooms.

--- SELECT `No of Beds` AS `NumberOfBedrooms`,

`No of Bathroom` AS `NumberOfBathrooms`,

COUNT(*) AS `RecordCount`

FROM `Table2` GROUP BY `No of Beds`, `No of Bathroom`;



5) Write a SQL query to select records with the largest area where pets are allowed .

----- SELECT * FROM `Table2` WHERE `Pets Allowed` = true

ORDER BY `Area` DESC LIMIT 1;

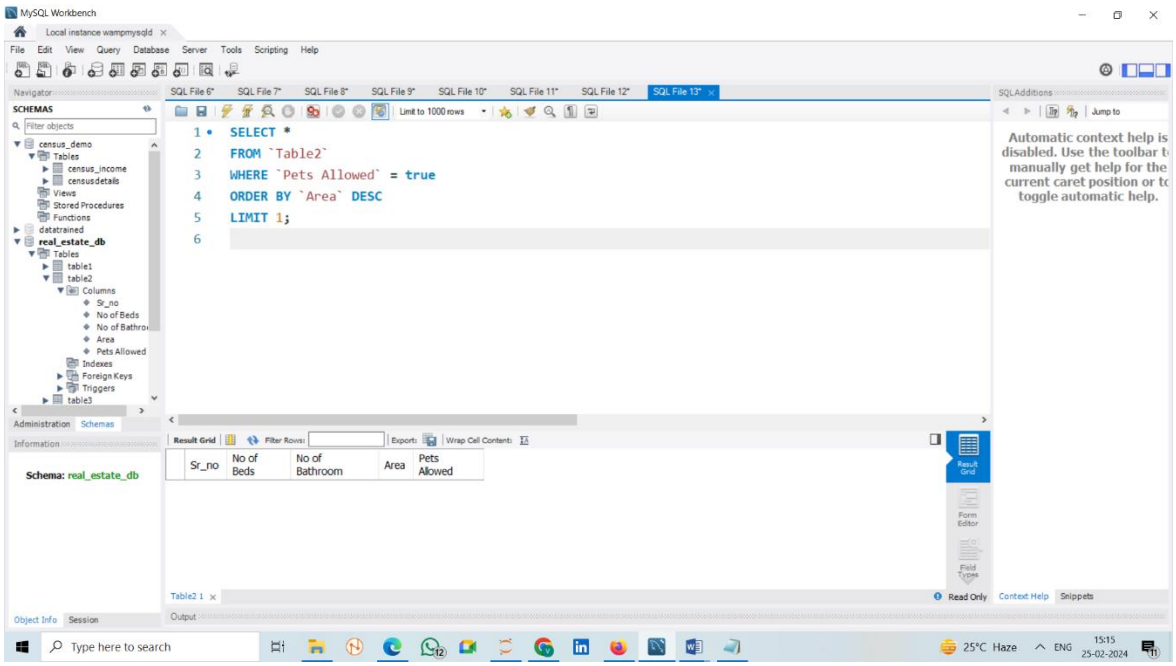


Table3

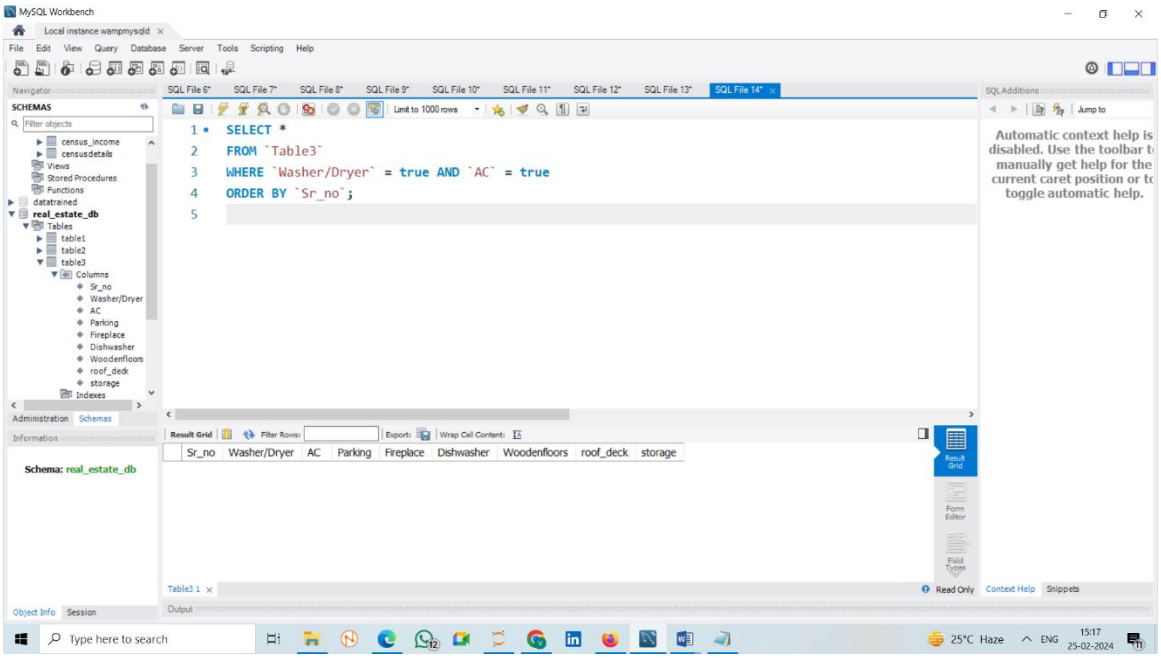
1) Write a SQL query to Select records where both Washer/Dryer and AC are available, and order by Sno.

---- SELECT *

FROM `Table3`

WHERE `Washer/Dryer` = true AND `AC` = true

ORDER BY `Sr_no`;



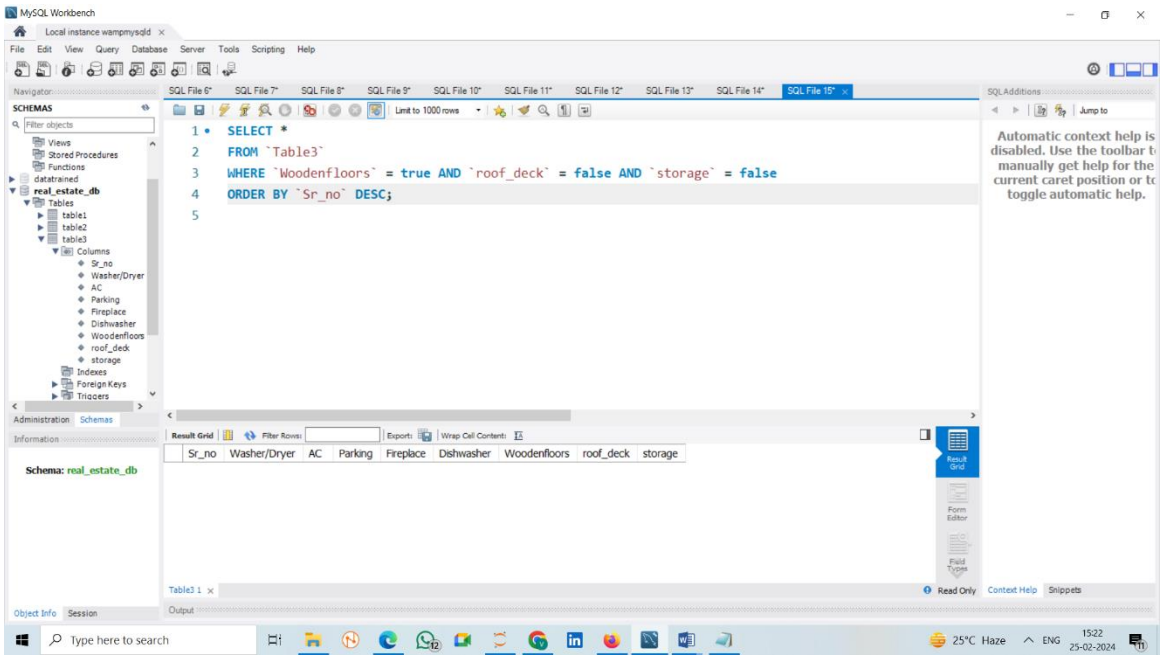
2) Write a SQL query to Select records where Hardwood floors are available but neither Roofdeck nor Storage is present, and order by Sno in descending order.

---- SELECT *

FROM `Table3`

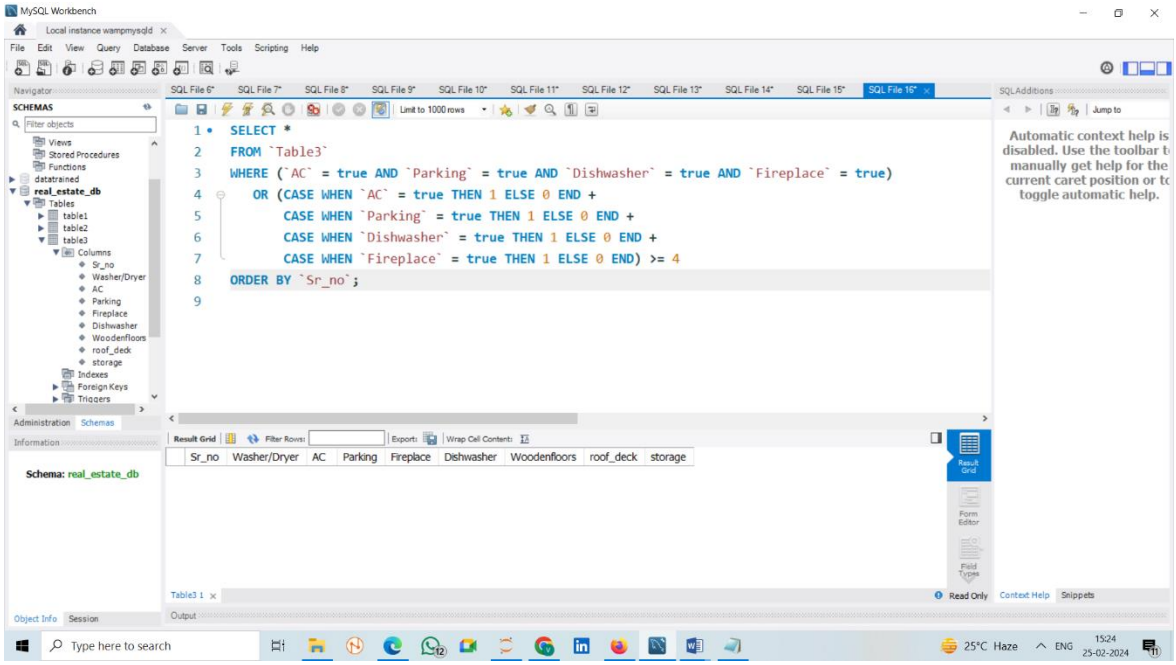
WHERE `Woodenfloors` = true AND `roof_deck` = false AND `storage` = false

ORDER BY `Sr_no` DESC;



3) Write a SQL query to Select records where at least four amenities (AC, Parking, Dishwasher, Fireplace) are available, and order by Sno .

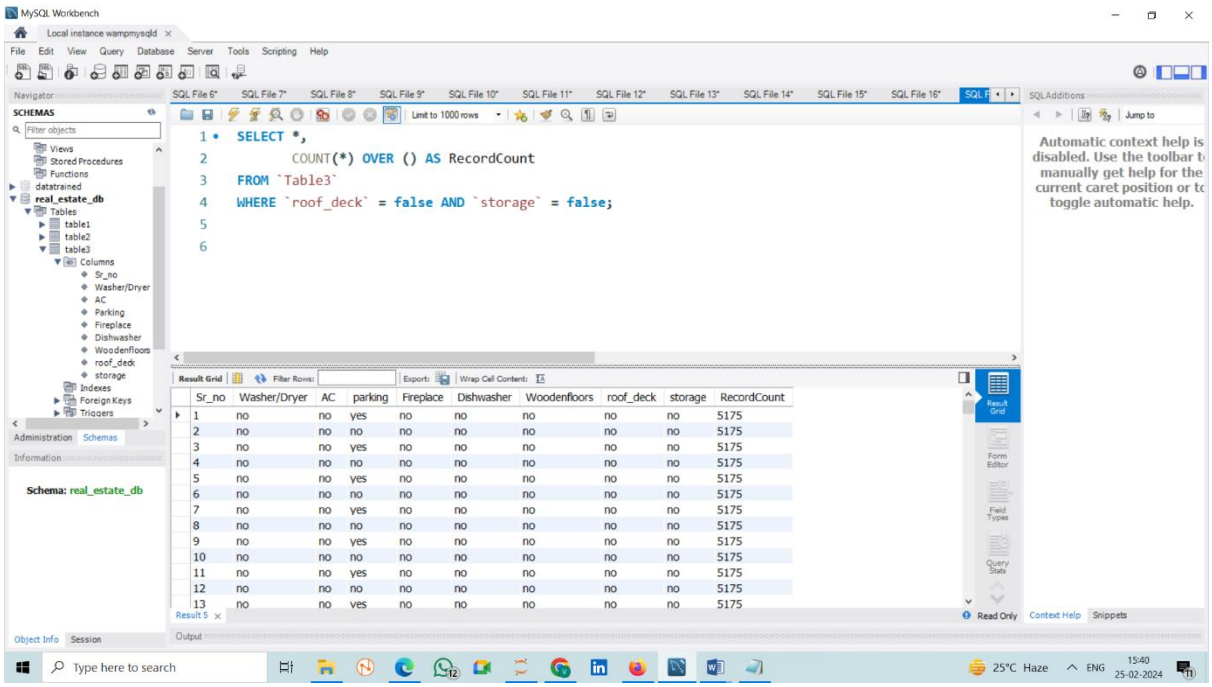
```
--- SELECT *

FROM `Table3`

WHERE (`AC` = true AND `Parking` = true AND `Dishwasher` = true AND `Fireplace` = true)

  OR (CASE WHEN `AC` = true THEN 1 ELSE 0 END +

    CASE WHEN `Parking` = true THEN 1 ELSE 0 END +

    CASE WHEN `Dishwasher` = true THEN 1 ELSE 0 END +

    CASE WHEN `Fireplace` = true THEN 1 ELSE 0 END) >= 4

ORDER BY `Sr_no`;
```



4) Write a SQL query to Select records where neither Roofdeck nor Storage is available, and include the count of such records.

---- SELECT * COUNT(*) OVER () AS RecordCount FROM `Table3`

WHERE `roof_deck` = false AND `storage` = false;



5) Write a SQL query to Select records with Parking and either Fireplace or Dishwasher, and include the count of records for each condition.

--- SELECT t3.*,

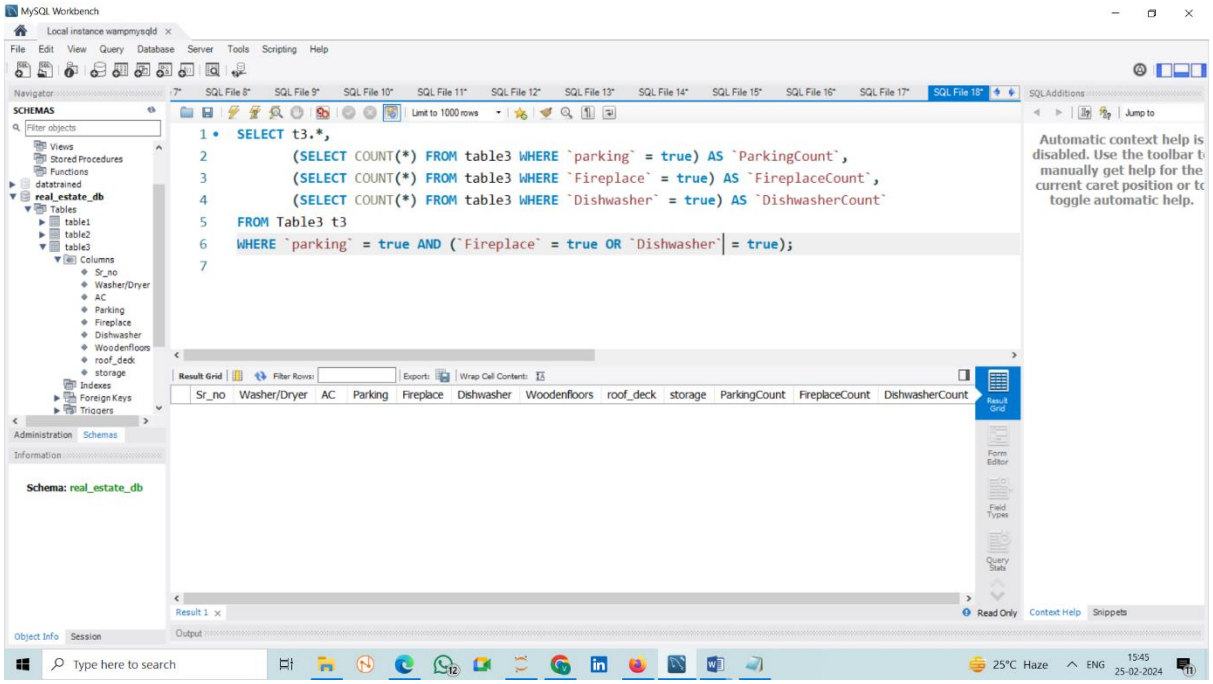
(SELECT COUNT(*) FROM table3 WHERE `parking` = true) AS `ParkingCount`,

(SELECT COUNT(*) FROM table3 WHERE `Fireplace` = true) AS `FireplaceCount`,

(SELECT COUNT(*) FROM table3 WHERE `Dishwasher` = true) AS `DishwasherCount`

FROM Table3 t3

WHERE `parking` = true AND (`Fireplace` = true OR `Dishwasher` = true);



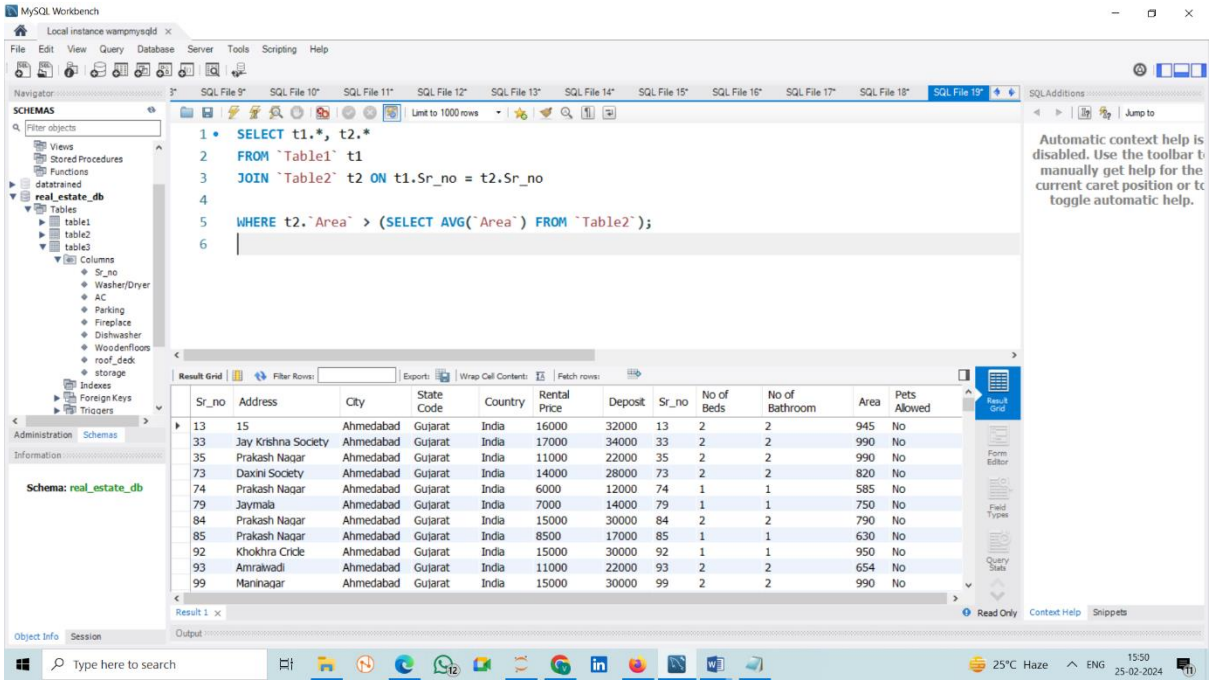
7 Join SQL Queries using all 3 tables

1) Write a SQL subquery to find records with more than the average area and related details using table 1 and table 2.

----- SELECT t1.*, t2.* FROM `Table1` t1 JOIN `Table2` t2

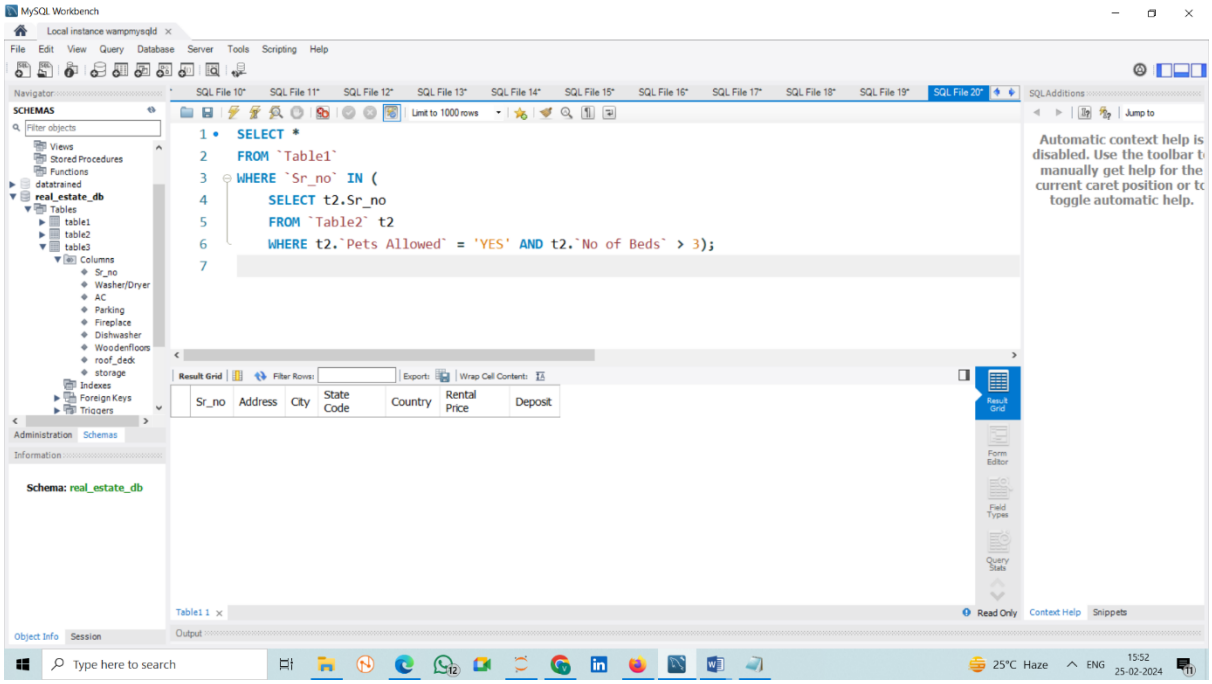
ON t1.Sr_no = t2.Sr_no

WHERE t2.`Area` > (SELECT AVG(`Area`) FROM `Table2`);



2) Write a subquery to find records in table1 based on conditions pets allowed is ‘YES’ and no of bed is greater than 3 in table2.

```
-------- SELECT *

FROM `Table1`

WHERE `Sr_no` IN (

   SELECT t2.Sr_no

   FROM `Table2` t2

   WHERE t2.`Pets Allowed` = 'YES' AND t2.`No of Beds` > 3);
```



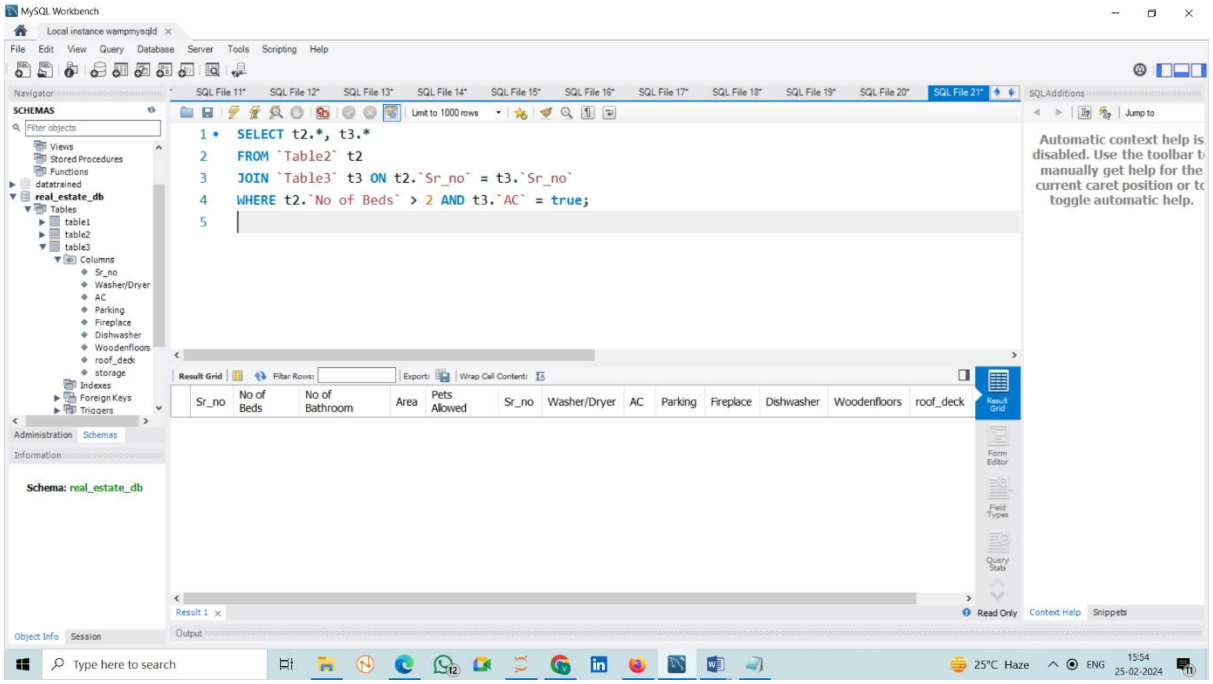
3) Write a SQL subquery using both tables (2 and 3) to find records in Table2 with more than 2 bedrooms and related details from Table3 where AC is present .

---- SELECT t2.*, t3.*

FROM `Table2` t2

JOIN `Table3` t3 ON t2.`Sr_no` = t3.`Sr_no`

WHERE t2.`No of Beds` > 2 AND t3.`AC` = true;



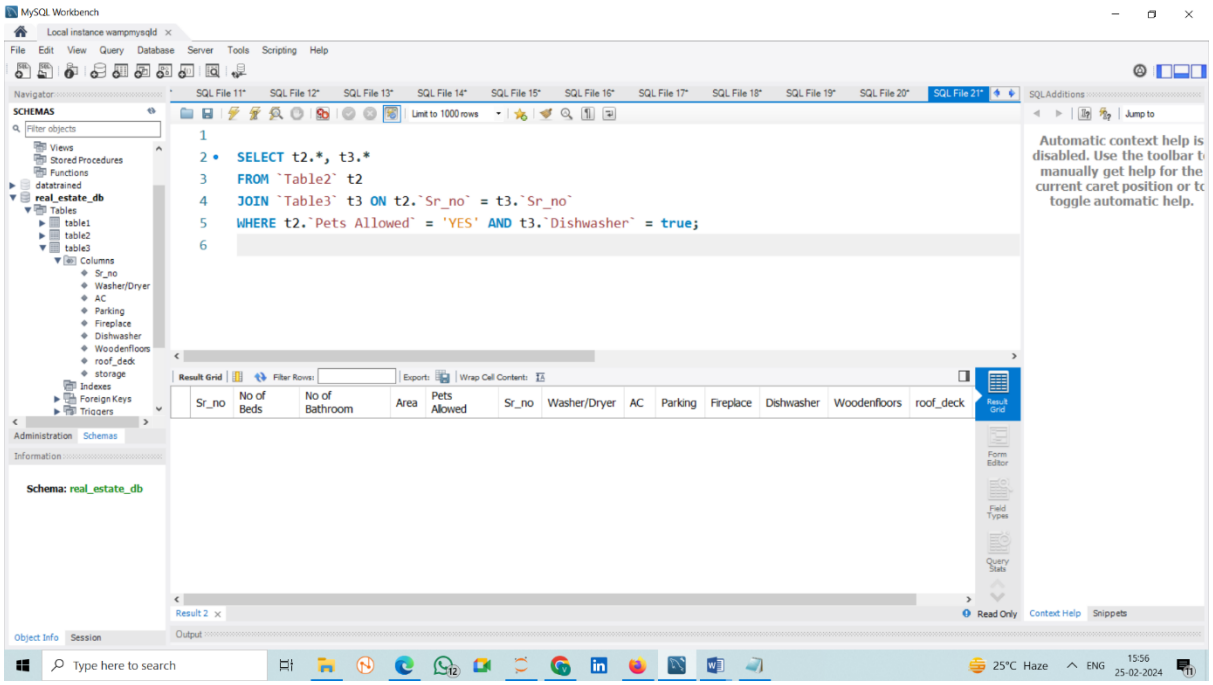
4) Write a sql subquery to find records in Table2 with pets allowed and a Dishwasher, and include related details from Table3.

---- SELECT t2.*, t3.*

FROM `Table2` t2

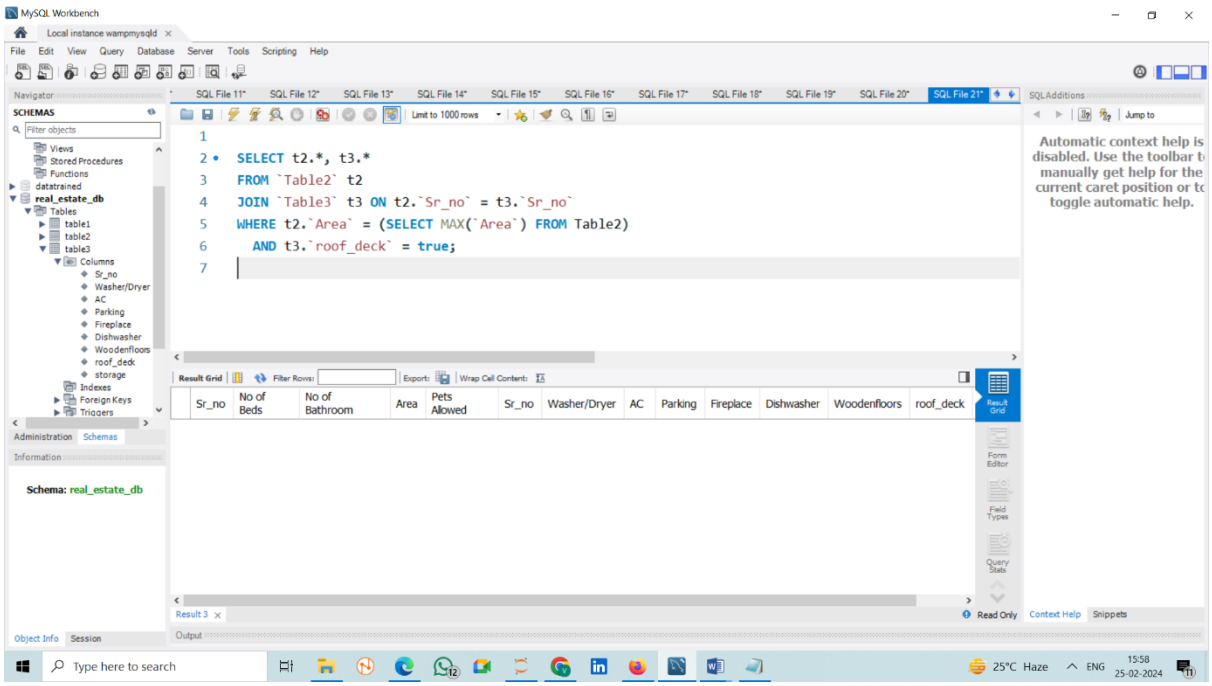
JOIN `Table3` t3 ON t2.`Sr_no` = t3.`Sr_no`

WHERE t2.`Pets Allowed` = 'YES' AND t3.`Dishwasher` = true;



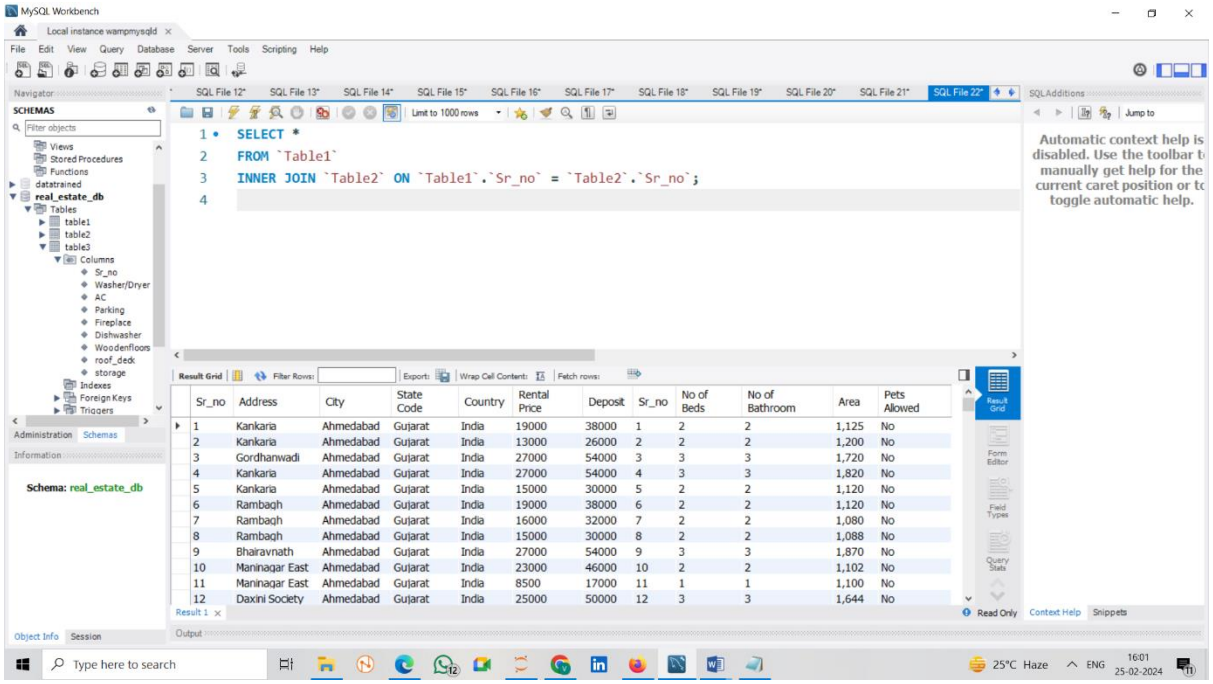
5) Write a subquery to find records in Table2 with the highest area and related details from Table3 where roofdeck is present.

```
---- SELECT t2.*, t3.*

FROM `Table2` t2

JOIN `Table3` t3 ON t2.`Sr_no` = t3.`Sr_no`

WHERE t2.`Area` = (SELECT MAX(`Area`) FROM Table2)

  AND t3.`roof_deck` = true;
```



6) Write a sql Inner Join to combine information from table1 and table 2.

```
--- SELECT *

FROM `Table1`

INNER JOIN `Table2` ON `Table1`.`Sr_no` = `Table2`.`Sr_no`;
```



7) Write SQL Subquery to find records in table1 with pets allowed and a Washer/Dryer, and include details from table2 and table3 .

---- SELECT t1.*, t2.*, t3.*

FROM `Table1` t1

JOIN `Table2` t2 ON t1.`Sr_no` = t2.`Sr_no`

JOIN `Table3` t3 ON t1.`Sr_no` = t3.`Sr_no`

WHERE t2.`Pets Allowed` = 'YES' AND t3.`Washer/Dryer` = true;