SQL Queries

# Table1

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

| SELECT \* from Table1 ORDER by rental\_price |
| --- |

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

| SELECT state\_code, city, AVG(rental\_price) as Average from Table1 group by state\_code, city |
| --- |

## 

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

| SELECT TOP 5 address, city, deposit FROM Table1 ORDER BY Deposit DESC |
| --- |

## 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 TotalDepositAmount FROM Table1 GROUP BY Country |
| --- |

## 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) |
| --- |

# Table2

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

| SELECT no\_of\_bed, AVG(Area) AS AverageArea FROM Table2 GROUP BY no\_of\_bed |
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## 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 = 'Yes' |
| --- |

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

| SELECT Top 3 \* ,area AS TotalArea FROM Table2 ORDER BY area DESC |
| --- |

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

| SELECT no\_of\_bed, no\_of\_bathroom, COUNT(\*) AS RecordCount FROM Table2 GROUP BY no\_of\_bed, no\_of\_bathroom |
| --- |

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

| SELECT \* FROM Table2 t1 WHERE area = (  SELECT MAX(area) FROM Table2 t2  WHERE t2.Pets\_Allowed = 'Yes' ) |
| --- |

# Table3

## 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] = 'Yes' AND ac = 'Yes' ORDER BY sno |
| --- |

## 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 hardwood\_floors = 'Yes' AND roof\_deck = 'No' AND storage = 'No' ORDER BY sno DESC |
| --- |

## 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 = 'Yes' AND parking = 'Yes' AND dishwasher = 'Yes' AND fireplace = 'Yes' ORDER BY Sno |
| --- |

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

| SELECT COUNT(\*) AS RecordCount FROM Table3 WHERE roof\_deck = 'No' AND storage = 'No' |
| --- |

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

| SELECT COUNT(\*) AS RecordCount FROM Table3 WHERE Parking = 'Yes' AND (Fireplace = 'Yes' OR Dishwasher = 'Yes') |
| --- |

# Join SQL Queries using all 3 tables

## 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.Sno = t2.Sno WHERE t2.Area > (  SELECT AVG(area)   FROM Table2 ) |
| --- |

## 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 sno IN (  SELECT sno FROM Table2  WHERE no\_of\_bed > 3 and pets\_allowed = 'YES' ) |
| --- |

## 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.Sno = t3.Sno WHERE t2.No\_of\_Bed > 2 AND EXISTS (  SELECT \* FROM Table3  WHERE Table3.AC = 'Yes'  AND Table3.Sno = t2.Sno ) |
| --- |

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

| SELECT t2.\* FROM Table2 t2 WHERE t2.Pets\_Allowed = 'Yes' AND EXISTS (  SELECT \* FROM Table3 t3  WHERE t3.Dishwasher = 'Yes' AND t3.Sno = t2.Sno ) |
| --- |

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

| SELECT top 1 t2.\* FROM Table2 t2 WHERE EXISTS (  SELECT \* FROM Table3 t3  WHERE t3.Roof\_Deck = 'yes' AND t3.Sno = t2.Sno ) ORDER by area DESC |
| --- |

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

| SELECT \* FROM Table1 t1 INNER JOIN Table2 t2 ON t1.Sno = t2.Sno |
| --- |

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

| SELECT \* FROM Table1 t1 WHERE EXISTS (  SELECT \* FROM Table2 t2  WHERE t2.Pets\_Allowed = 'Yes' AND t2.Sno = t1.Sno ) and EXISTS (  SELECT \* FROM Table3 t3  WHERE t3.[Washer/Dryer] = 'Yes' AND t3.Sno = t1.Sno ) |
| --- |