1. Write a query to display the owner name and the length of the owner's name of the buildings.Display the records in ascending order based on owner name. Give an alias as name\_length to the length of the owner names.

Use the inbuilt function length().

Select owner\_name,length(owner\_name) as name\_length from building order by owner\_name asc;

1. Write a query to display the owner\_name and contact\_number of the building, who is having the smallest length in their names.Display the records in ascending order based on the owner\_name.

Select owner\_name ,contact\_number from building where owner\_name=min(length(owner\_name));

1. Write a query to display all the **owner\_name** and the concatenated **contact\_number** and **email**  with**hyphen(-)**seperated . Display the records in descending order based on **owner\_name** .Give an alias name as **contact\_details**.  
   **Hint : use concat()  function**

Select concat(owner\_name,’-‘,contact\_number,’-‘,email) as concat\_details from building order by owner\_name desc;

1. Write a query to display the first 3 characters of every meter\_number.Give an alias name for the meter number as 'meter\_code'.Display the records sorted by meter\_code in descending order.

**Select substr(meter\_number,1,3) as meter\_code from meter order by meter\_code**

Desc;

1. Write a query to display the first 3 characters of the owner names and the contact number of all buildings in ascending order based on the owner name of the building. Give an alias to the first 3 characters as 'name\_code'.

Use the inbuilt function left().

Select left(owner\_name,3) as name\_code ,contact\_number from building order by name\_code asc;

1. Write a query to display all the details of the buildings whose owner name contains 'di' in it. Display the records sorted in ascending order based on the owner name of the building.

Select\*from building where owner\_name like ‘%di%’ order by owner\_name asc;

1. Write a query to display the count of bills which has completed payment without fine on the month of October 2017.Give an alias name as 'bills\_paid\_withoutfine'

Select count(bill) as 'bills\_paid\_withoutfine from bill where fine\_amount = 0 and date between’ 01/10/2017’ and ‘31/10/2017’ ;

1. Write a query to display the total fine amounts which charged  between '2017-10-01' and '2017-11-01'.Give an alias name for fine amount as 'total\_fine'.

Select sum(fine\_amount) as total\_fine from bill where date between '2017-10-01' and '2017-11-01';

1. Write a query to display day and the total units of electricity consumed  on each day  between the dates '2018-05-06' and '2018-05-07'.Give alias name for total unit as total\_unit\_perday and also display the records in ascending order based on day

Subqueries

1. Write a query to display all the bills with **meter** details. Display the records in ascending order based on **payable amount**.

Select\*from bills b,meter r where r.id=m.id order by payable\_amount ;

1. Write a query to display the meter number,owner name,address and contact number of all the buildings. Display the records in ascending order based on owner name then by meter\_number.

Select meter number,owner name,address , contact number from building where number in(select \*from meter) order by meter\_number ;

1. Write a query to display the  meter number,owner name,address,contact number,building type name and connection name of all buildings.Display the record in ascending order based on owner name then by meter\_number..

Select meter number,owner name,address,contact number,building type name connection name from building where number in(select \*from meter ) order by owner name ,meter number ;

1. Write a query to display the connection name ,from\_unit,to\_unit and rate of all the slabs.Display the records in ascending order based on rate

Select name ,from\_unit,to\_unit , rate from slabs order by rate ;

5) Write a query to display owner name, address , meter number and payable amount of all the bills with the maximum fine amount. If there are multiple records display in ascending  order based on owner\_name

Select owner name, address, meter number , payable amount from building b,meter m,bill bi where b.name=m.name order by owner name ;