-- 1 SELECT owner\_name, LENGTH(owner\_name) AS name\_length FROM building ORDER BY owner\_name;

-- 2 SELECT owner\_name, contact\_number FROM building WHERE LENGTH(owner\_name) = (SELECT MIN(LENGTH(owner\_name)) FROM building) ORDER BY owner\_name;

-- 3 SELECT CONCAT(owner\_name, '-', contact\_number, '-', email\_address) AS contact\_details FROM building ORDER BY owner\_name;

-- 4 SELECT SUBSTR(meter\_number, 1, 3) AS meter\_code FROM meter ORDER BY meter\_number;

-- 5 SELECT LEFT(owner\_name, 3) AS name\_code, contact\_number FROM building ORDER BY owner\_name;

-- 6 SELECT \* FROM building WHERE owner\_name LIKE '%di%' ORDER BY owner\_name;

-- 7. SELECT count(\*) as bills\_paid\_without\_fine FROM bill where fine\_amount=0 and month=10 and year=2017;

-- 8. SELECT SUM(fine\_amount) as total\_fine FROM bill WHERE payment\_date between '2017-10-01' and '2017-11-01';

-- 9. SELECT day,total\_units as total\_units\_per\_day FROM electricity\_reading where day between '2018-05-06' and '2018-05-07' order by day;

-- 10.SELECT due\_date, payable\_amount FROM bill WHERE payment\_date not between '2017-09-10' and '2017-10-10';

**SUBQUERIES**

--1.SELECT bill.id,bill.meter\_id,bill.month,bill.year,bill.due\_date,bill.total\_units, bill.payable\_amount, bill.is\_payed,bill.payment\_date,bill.fine\_amount,m.meter\_number FROM bill bill LEFT JOIN meter m on bill.meter\_id=m.id ORDER BY payable\_amount;

--2. SELECT m.meter\_number, b.owner\_name, b.address, b.contact\_number FROM building b LEFT JOIN m on m.building\_id=b.building\_type\_id ORDER BY owner\_name and meter\_number;

--3. SELECT m.meter\_number, b.owner\_name, b.address, b.contact\_number, bt.name,ect.connection\_ name FROM building b left join meter m on m.building\_id=b.id LEFT JOIN building\_type bt on bt.id=b.building\_type\_id LEFT JOIN electricity\_connection\_type ect on ect.id=bt.connection\_type\_id ORDER BY owner\_name and meter\_number;

--4. SELECT ect.connection\_name, slab.from\_unit, slab.to\_unit, slab.rate FROM electricity\_connection\_type ect LEFT JOIN slab slab on slab.connection\_type\_id=ect.id ORDER BY rate;

-- 5. SELECT b.owner\_name, b.address, m.meter\_number,bill.payable\_amount,bill.fine\_amount FROM building b LEFT JOIN meter m on m.building\_id=b.id left join bill bill on bill.meter\_id=m.id WHERE bill.fine\_amount= (select max(fine\_amount) from bill) ORDER BY b.owner\_name;