**QUERIES**

use handson2;

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

select owner\_name, contact\_number from building where length(owner\_name)=(select min(length(owner\_name)) from building) order by building.owner\_name;

select owner\_name, concat(contact\_number,'-',email\_address) as contact\_details from building order by owner\_name desc;

select substring(meter\_number,1,3) as meter\_code from meter order by meter\_code desc;

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

select \* from building where owner\_name like '%ar%' order by owner\_name;

select count(\*) as bills\_paid\_without\_fine from bill where fine\_amount=0 and month=09 and year=2020;

select sum(fine\_amount) as total\_fine from bill where payment\_date between '2020-09-01' and '2020-11-01';

select day,total\_units as total\_units\_per\_day from electricity\_reading where day between '2020-09-01' and '2020-11-01' order by day;

select due\_date, payable\_amount from bill where payment\_date not between '2020-09-01' and '2020-11-25';

**SUB-QUERIES**

Selec tbl.id,bl.meter\_id,bl.month,bl.year,bl.due\_date,bl.total\_units,bl.payable\_amount,

bl.is\_paid,bl.payment\_date,bl.fine\_amount,m.meter\_number from bill bl join meter m on bl.meter\_id=m.id order by payable\_amount;

select m.meter\_number, b.owner\_name, b.address, b.contact\_number from building b join meter m on m.building\_id=b.building\_type\_id order by owner\_name and meter\_number;

select m.meter\_number, b.owner\_name, b.address, b.contact\_number,bt.name,ect.connection\_name from building b join meter m on m.building\_id=b.id join building\_type bt on bt.id=b.building\_type\_id join electricity\_connection\_type ect on ect.id=bt.connection\_type\_id order by owner\_name and meter\_number;

select ect.connection\_name, s.from\_unit, s.to\_unit, s.rate from electricity\_connection\_type ect join slab s on s.connection\_type\_id=ect.id order by rate;

select b.owner\_name, b.address, m.meter\_number,bl.payable\_amount,bl.fine\_amount from building b join meter m on m.building\_id=b.id join bill bl on bl.meter\_id=m.id where bl.fine\_amount=(select max(fine\_amount) from bill) order by b.owner\_name;