DBMS Project Submission:

[SQL Query processing]

By,

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**SQL Query processing:**

**1.Which device has connected often?**

select device\_ID

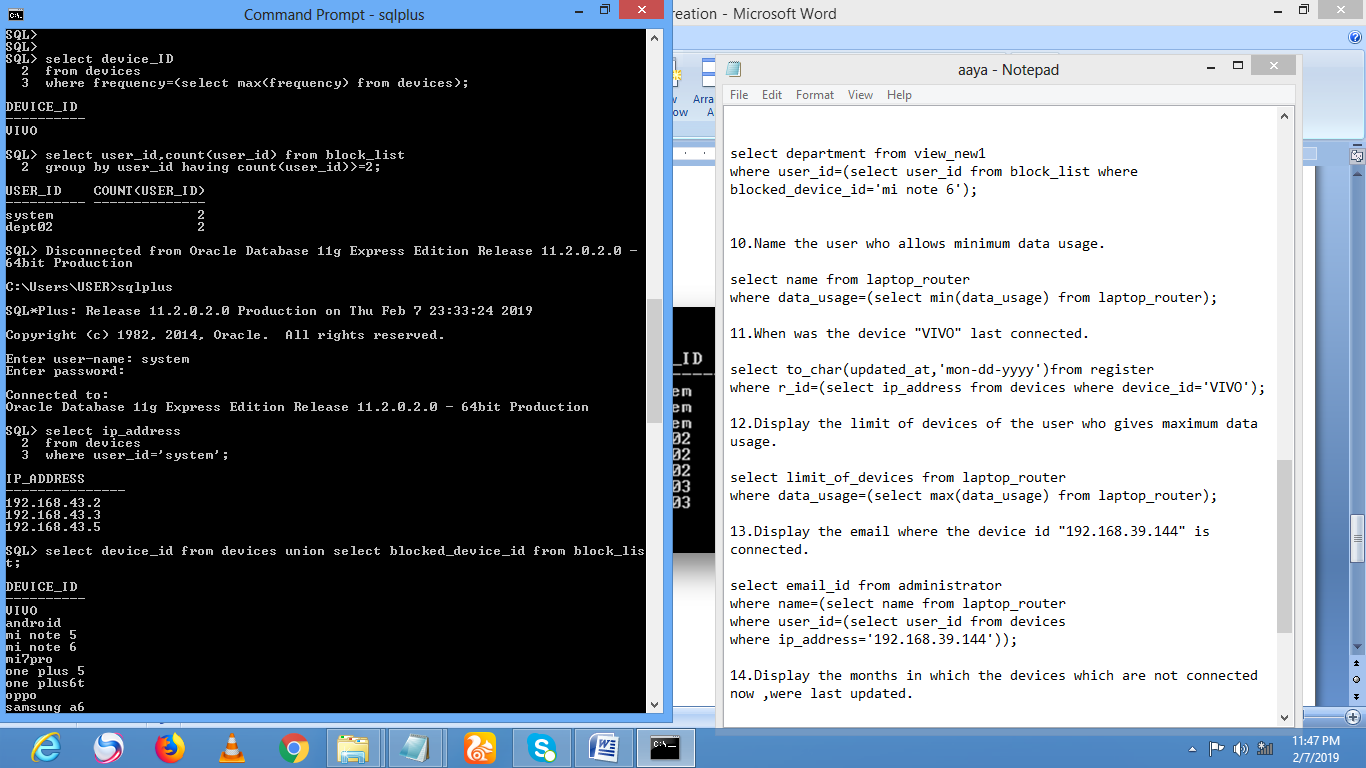
from devices

where frequency=(select max(frequency) from devices);

**2.Display the user\_id who has blocked more than two devices.**

select user\_id,count(user\_id) from block\_list

group by user\_id having count(user\_id)>=2;



**3.List the IP address of the devices connected with the user id "system".**

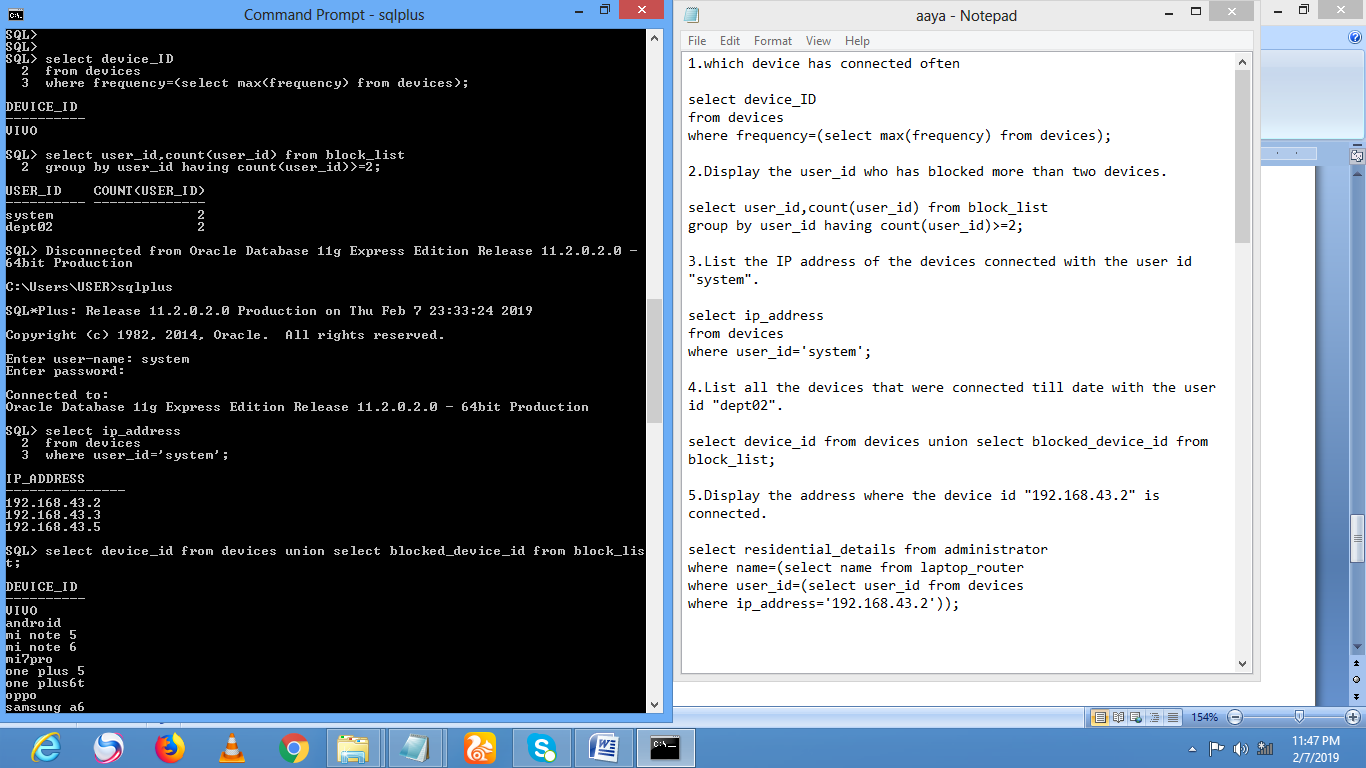
select ip\_address

from devices

where user\_id='system';

**4.List all the devices that were connected till date with the user id "dept02".**

select device\_id from devices union select blocked\_device\_id from block\_list;



**5.Display the address where the device id "192.168.43.2" is connected.**

select residential\_details from administrator

where name=(select name from laptop\_router

where user\_id=(select user\_id from devices

where ip\_address='192.168.43.2'));

**6. Update the limit of devices of the router to which one plus 5 is connected to 250.**

update laptop\_router

set limit\_of\_devices='300'

where user\_id=(select user\_id from devices where device\_id='one plus 5');

**7.Name all the devices that are connected currently to "Keeks".**

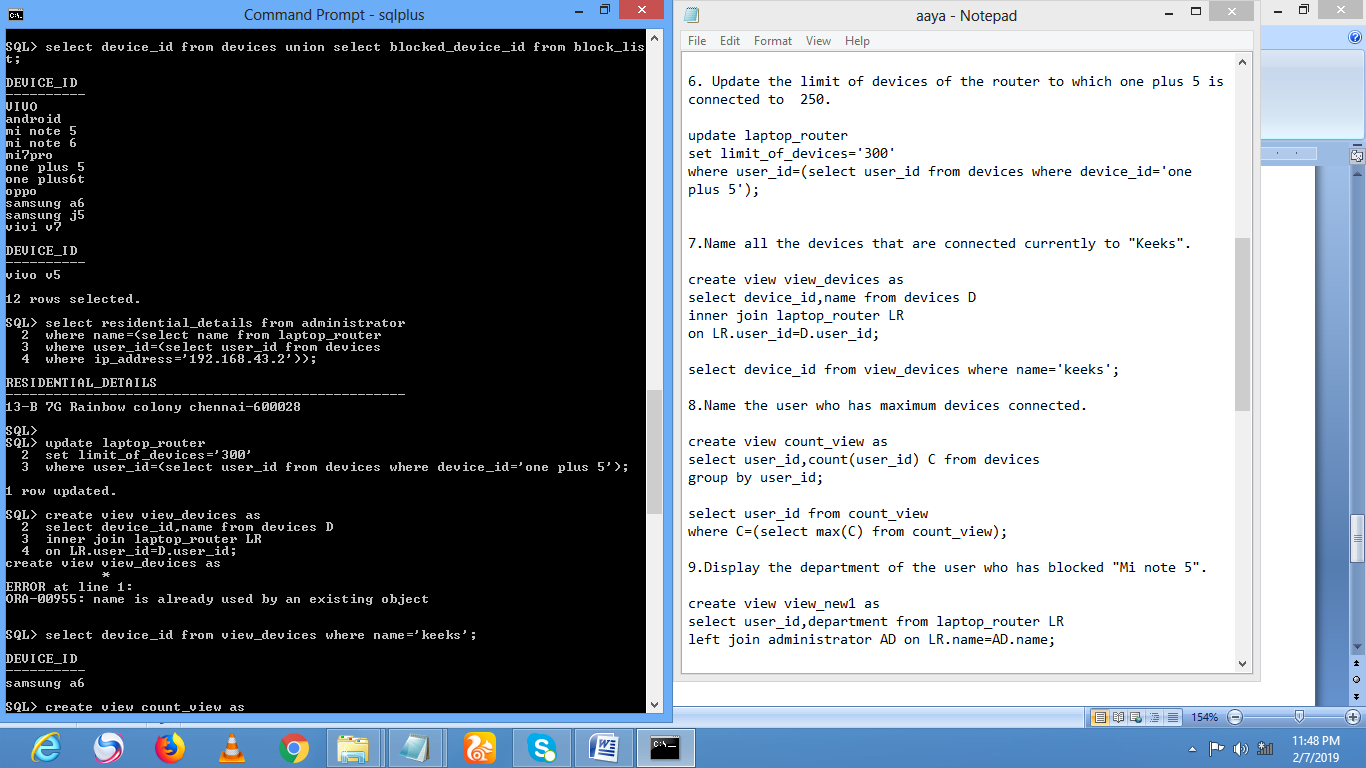
create view view\_devices as

select device\_id,name from devices D

inner join laptop\_router LR

on LR.user\_id=D.user\_id;

select device\_id from view\_devices where name='keeks';



**8.Name the user who has maximum devices connected.**

create view count\_view as

select user\_id,count(user\_id) C from devices

group by user\_id;

select user\_id from count\_view

where C=(select max(C) from count\_view);

**9.Display the department of the user who has blocked "Mi note 5".**

create view view\_new1 as

select user\_id,department from laptop\_router LR

left join administrator AD on LR.name=AD.name;

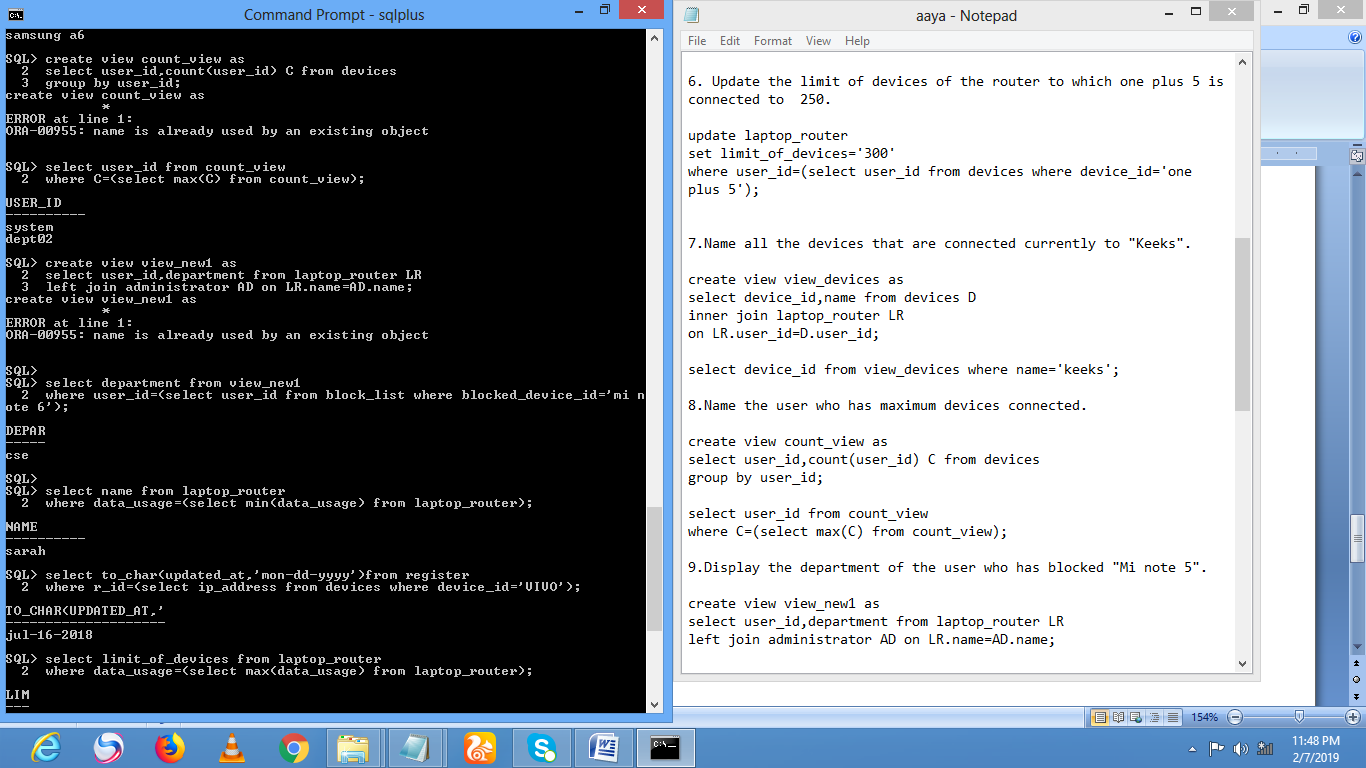
select department from view\_new1

where user\_id=(select user\_id from block\_list where blocked\_device\_id='mi note 6');

**10.Name the user who allows minimum data usage.**

select name from laptop\_router

where data\_usage=(select min(data\_usage) from laptop\_router);



**11.When was the device "VIVO" last connected.**

select to\_char(updated\_at,'mon-dd-yyyy')from register

where r\_id=(select ip\_address from devices where device\_id='VIVO');

**12.Display the limit of devices of the user who gives maximum data usage.**

select limit\_of\_devices from laptop\_router

where data\_usage=(select max(data\_usage) from laptop\_router);

**13.Display the email where the device id "192.168.39.144" is connected.**

select email\_id from administrator

where name=(select name from laptop\_router

where user\_id=(select user\_id from devices

where ip\_address='192.168.39.144'));

**14.Display the months in which the devices which are not connected now ,were last updated.**

select extract(month from updated\_at) from register

where connectionstatus='no';

**15.Display the Mac Address of the devies which have connected more than 7 times.**

select connected\_mac\_address from devices

where frequency>=7;

