**Query 1**

select profile\_id, first\_name + ' ' + last\_name as 'Full\_Name', phone from Profiles where profile\_id = (select profile\_id from TenancyHistory where DATEDIFF(month, [move\_in\_date], [move\_out\_date]) = (select max(DATEDIFF(month, [move\_in\_date], [move\_out\_date])) from TenancyHistory))

**Query 2**

select first\_name + ' ' + last\_name as 'Full\_Name' , email\_id, phone from Profiles as A, TenancyHistory as B where A.profile\_id = (select B.profile\_id where A.marital\_status = 'Y' and B.rent>9000)

**Query 3**

Select P.profile\_id, P.Full\_Name, P.phone, P.email\_id, P.city, T.house\_id, T.move\_in\_date, T.move\_out\_date,

T.rent,R.ReferralCount, E.latest\_employer, E.occupational\_category

from

(select profile\_id, first\_name + ' ' + last\_name AS 'Full\_Name', phone, email\_id,city from Profiles where city in ('Bangalore', 'Pune'))P

inner join

(select profile\_id, house\_id, move\_in\_date, move\_out\_date, rent from TenancyHistory

where move\_in\_date>='20150101' and move\_in\_date<='20160101' )T

inner join

(select profile\_id, latest\_employer, occupational\_category from EmploymentStatus)E

inner join

(select profile\_id, count(profile\_id) AS ReferralCount from Referral group by profile\_id)R

ON R.profile\_id = E.profile\_id

ON T.profile\_id = E.profile\_id

ON P.profile\_id = T.profile\_id

ORDER BY rent DESC

**Query 4**

select C.profile\_id, first\_name + ' ' + last\_name as Full\_Name, email\_id, phone, referral\_code, TotalBonus

from Profiles

inner join

(SELECT profile\_id , COUNT (profile\_id) AS ReferralCount

FROM Referral GROUP BY profile\_id)C

inner join

(select profile\_id, SUM(referrer\_bonus\_amount) as TotalBonus

from Referral

where referral\_valid = 1

GROUP BY profile\_id)D

ON C.profile\_id = D.profile\_id

on Profiles.profile\_id = C.profile\_id

where C.ReferralCount>1

**Query 5**

SELECT

isnull

(Profiles.city,'Grand Total') as CITY,

SUM (TenancyHistory.rent) TotalRentByCity

FROM

Profiles

INNER JOIN TenancyHistory ON Profiles.profile\_id = TenancyHistory.profile\_id

GROUP BY

Profiles.city

WITH ROLLUP

**Query 6**

CREATE VIEW vw\_tenant

AS

SELECT profile\_id,C.rent, C.move\_in\_date, D.house\_type, D.beds\_vacant, E.description AS Address,E.city

from

(SELECT profile\_id, house\_id, move\_in\_date, rent from TenancyHistory where move\_in\_date>='20150430')C

inner join

(SELECT house\_id,beds\_vacant, house\_type from Houses where beds\_vacant>0)D

inner join

(SELECT house\_id,description, city from Addresses)E

On D.house\_id = E.house\_id

ON C.house\_id = D.house\_id

**Query 7**

SELECT C.profile\_id, valid\_till, DATEADD (MONTH, 1, valid\_till) as NewValidDate

from Referral

inner join

(SELECT profile\_id, count(profile\_id) AS COUNT

from Referral

group by profile\_id

having count(profile\_id)>2 )C

on C.profile\_id= Referral.profile\_id

**Query 8**

SELECT P.profile\_id,

P.first\_name + ' '+ P.last\_name as 'Full\_Name',

P.phone,

T.rent,

Customer\_Segment = CASE

WHEN T.rent > 10000 THEN 'A'

WHEN (T.rent <= 10000 And T.rent >= 7500) THEN 'B'

ELSE 'C'

END

FROM Profiles AS P

inner join TenancyHistory AS T

on P.profile\_id = T.profile\_id

**Query 9**

SELECT P.profile\_id, first\_name + ' ' + last\_name as 'Full\_Name', phone, P.city, H.house\_type, H.bed\_count, H.beds\_vacant, H.bhk\_type, H.furnishing\_type from Profiles AS P

inner join

Houses As H

inner join TenancyHistory AS T

on H.house\_id = T.house\_id

on T.profile\_id = P.profile\_id

where P.profile\_id not in (Select profile\_id from Referral )

**Query 10**

SELECT house\_id, house\_type, bhk\_type, bed\_count, beds\_vacant, furnishing\_type FROM Houses

WHERE (bed\_count - beds\_vacant) = (select ( MAX(bed\_count - beds\_vacant)) from Houses)