1. select profile\_id, first\_name+ ' ' +last\_name as Full\_name, phone from Profiles$ where profile\_id =

(select top 1 profile\_id from Tenancy\_History order by (DATEDIFF(day, Move\_In\_Date, Move\_Out\_Date)))

1. Select first\_name+ ' ' +last\_name as Full\_name, email\_id, phone from Profiles$ where (PROFILE\_ID IN

(

SELECT PROFILE\_ID

FROM Profiles$

WHERE marital\_status = 'Y' ) or PROFILE\_ID IN

( SELECT PROFILE\_ID

FROM Tenancy\_History

WHERE RENT> '9000'))

1. Select P1.profile\_id, P1.first\_name+ ' ' +P1.last\_name as Full\_name, P1.email\_id, P1.phone, P1.city, H1.house\_id, convert(date, TH.move\_in\_date) move\_in\_date ,

convert(date, TH.move\_out\_date) move\_out\_date, TH.rent, T1.Referral\_count Referrals\_made, ED.latest\_employer, ED.occupational\_category from

Profiles$ P1 join (select profile\_id, count(profile\_id) as Referral\_count from Referral$ group by profile\_id) as T1 on P1.profile\_id = T1.profile\_id

join Employment\_Details$ ED on P1.profile\_id = ED.profile\_id

join Tenancy\_History TH on TH.profile\_id = ED.profile\_id

join Houses$ H1 on TH.house\_id = H1.house\_id

where P1.city IN ('Bangalore', 'Pune') and CONVERT(date, move\_in\_date) >= '2015-01-01' and CONVERT(date, move\_in\_date) <= '2016-01-01'

order by TH.rent

1. Select P1.first\_name+ ' ' +P1.last\_name as Full\_name, P1.email\_id, P1.phone, P1.referral\_code, T2.Total\_Bonus from Profiles$ P1

join (select profile\_id, count(profile\_id) as Referral\_count from Referral$ group by profile\_id) as T1 on P1.profile\_id = T1.profile\_id

join (select profile\_id, sum(referrer\_bonus\_amount) as Total\_Bonus from Referral$ where referral\_valid=1 group by profile\_id) as T2 on T1.profile\_id = T2.profile\_id

where Referral\_count>1

1. Select sum(city\_rent) from (Select sum(TH.rent) as city\_rent, A1.city from Tenancy\_History TH

join Addresses$ A1 on TH.house\_id = A1.house\_id

group by A1.city) T1

Select sum(TH.rent) as city\_rent, A1.city from Tenancy\_History TH

join Addresses$ A1 on TH.house\_id = A1.house\_id

group by A1.city

1. Create view vw\_tenant as

SELECT TH.profile\_id, TH.rent, convert(date,TH.move\_in\_date) move\_in\_date, H.house\_type, H.beds\_vacant, A1.description, A1.city

FROM Tenancy\_History TH

join Houses$ H on TH.house\_id = H.house\_id

join Addresses$ A1 on A1.house\_id = H.house\_id

where CONVERT(date, move\_in\_date) >= '2015-04-30' and H.beds\_vacant != 0;

select \* from vw\_tenant

1. Create view Ref\_count as Select profile\_id, count(profile\_id) as Referral\_count from Referral$ group by profile\_id;

select T1.profile\_id, Dateadd(month, 1, valid\_till) as extended from Referral$ join (select profile\_id from Ref\_count where Referral\_count > 2) T1

on T1.profile\_id = Referral$.profile\_id;

1. Select P1.profile\_id, P1.first\_name+ ' ' +P1.last\_name as Full\_name, P1.phone,

case

when TH.rent>10000 Then 'Grade A'

when TH.rent between 7500 and 10000 Then 'Grade B'

else 'Grade C'

end as Customer\_Segment

from Profiles$ P1

join Tenancy\_History TH on P1.profile\_id = TH.profile\_id

1. Select P1.first\_name+ ' ' +P1.last\_name as Full\_name, P1.phone, P1.city, H.house\_type+ ' ' +H.bhk\_type+ ' '+H.furnishing\_type

as House\_details from Profiles$ P1

join (select P1.profile\_id from Profiles$ P1

where P1.profile\_id not in (

select profile\_id from Referral$)) R on R.profile\_id = P1.profile\_id

join Tenancy\_History TH on TH.profile\_id = P1.profile\_id

join Houses$ H on TH.house\_id = H.house\_id

1. select \* from houses$ where bed\_count - beds\_vacant = (select max(bed\_count - beds\_vacant) from Houses$)