***--Answers to Questions***

***--Q1***

select profile\_id,CONCAT(profiles.first\_name," ",profiles.last\_name) AS Full\_Name,phone,created\_at from profiles

ORDER BY created\_at

LIMIT 1;

***--Q2***

Select CONCAT(P.first\_name," ",P.last\_name) AS Full\_Name,P.email,P.phone,P.marital\_status,T.rent

From profiles AS P

Join tenancy\_histories AS T

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

WHERE marital\_status='Y' and rent >'9000';

***--Q3***

SELECT P.profile\_id ,CONCAT(P.first\_name," ",P.last\_name) AS Full\_Name,P.phone,P.email,P.city\_hometown,

T.house\_id,T.move\_in\_date,T.move\_out\_date,T.rent,R.referral\_valid,Count(\*) AS total\_ref\_made,E.latest\_employer,E.Occupational\_category

From profiles AS P JOIN tenancy\_histories AS T ON P.profile\_id=T.profile\_id

JOIN employment\_details as E ON P.profile\_id=E.profile\_id

JOIN referrals as R on P.profile\_id=R.referrerid\_profileid

GROUP BY P.profile\_id ,P.first\_name,P.last\_name,P.phone,P.email,P.city\_hometown,

T.house\_id,T.move\_in\_date,T.move\_out\_date,T.rent,R.referral\_valid,E.latest\_employer,E.Occupational\_category

Having (city\_hometown="Bangalore" or city\_hometown="Pune") and (move\_in\_date>='2015-01-01' and move\_in\_date<='2016-01-01'

and move\_out\_date>='2015-01-01'and move\_out\_date<='2016-01-01')

ORDER BY rent DESC;

***--Q4***

Select CONCAT(P.first\_name," ", P.last\_name) AS Full\_Name, P.email, P.phone, P.referral\_code, R.referrerid\_profileid, COUNT(\*), SUM(R.referrer\_bonus\_amount),R.referral\_valid

from Profiles AS P INNER JOIN referrals AS R

ON P.profile\_id = R.referrerid\_profileid

WHERE referral\_valid = 1

GROUP BY (referrerid\_profileid)

HAVING COUNT(\*)> "1";

***--Q5***

Select P.city\_hometown, SUM(T.Rent) AS TOTAL\_EACH

FROM Profiles AS P INNER JOIN tenancy\_histories AS T ON P.profile\_id = T.profile\_id

GROUP BY city\_hometown;

Total\_rent = SELECT SUM(Rent) from tenancy\_histories

= Rs 1,79,400/-

***-- Q-6***

CREATE VIEW vw\_tenant AS

Select P.profile\_id,T.rent,T.move\_in\_date,H.house\_type,H.Beds\_vacant,A.description,A.city,A.name

From Profiles AS P JOIN tenancy\_histories AS T ON P.profile\_id=T.profile\_id

JOIN Houses as H ON T.house\_id=H.house\_id

JOIN Addresses as A ON H.house\_id=A.house\_id

WHERE (move\_in\_date>= "2015-04-30" AND beds\_vacant>"0");

***-- Q7***

UPDATE referrals

SET valid\_till=ADDDATE(valid\_till,Interval 1 month)

WHERE referrerid\_profileid IN(

SELECT referrerid\_profileid

GROUP BY referrerid\_profileid

HAVING(SUM(referral\_valid)>2));

***-- Q8***

NOT ANSWERED.

***-- Q9***

SELECT R.referrerid\_profileid, CONCAT(P.first\_name, " ", P.last\_name) AS Full\_Name, P.phone,P.city\_hometown, H.house\_type,H.bhk\_details,H.bed\_count,H.furnishing\_type

From referrals AS R RIGHT JOIN profiles AS P on R.referrerid\_profileid=P.profile\_id

LEFT JOIN tenancy\_histories AS T on P.profile\_id=T.profile\_id

LEFT JOIN Houses AS H on T.house\_id=H.house\_id

WHERE referrerid\_profileid IS NULL;

***-- Q10***

select A.name, H.house\_id,H.house\_type,H.bhk\_details,(H.bed\_count - H.beds\_vacant) AS occupancy,furnishing\_type

from Houses as H JOIN Addresses as A on H.house\_id=A.house\_id

WHERE bed\_count - Beds\_vacant = (select MAX(bed\_count - Beds\_vacant) from houses)