Database Lab Mid (CSE 3104)

Create the following Tables and Insert the data given according to the tables.

BRANCH			
BranchNo	**Street**	**City**	**Postcode**
10	Mohammadpur	Dhaka	1204
20	AtiBazar	Chittagong	1302
30	Dhanmondi	Dhaka	1402
40	Hair Street	Sylhet	1203

PropertyForRent							
PropertyNo	**Property_Type**	**Rooms**	**Rent**	**Address_of_property**	**OwnerNo**	**StaffNo**	**BranchNo**
621	Flat	4	3500	Gulshan	2	7372	20
623	House	5	6400	Dhanmondi	2	7374	30
625	House	6	8000	Mohammadpur	1	7372	10
627	Flat	3	4650	Wari	3	7369	20
629	Flat	2	2500	Motijheel	1	7375	30
631	House	5	7900	Hair Street	3	7374	40

PrivateOwner			
OwnerNo	**FirstName**	**LastName**	**ContactNo**
1	Kazi	Hasan	01912584949
2	Kamran	Rashid	01677515829
3	Khan	Tahmeed	01688370555
4	Elon	Mask	01551182170

STAFF							
StaffNo	**FirstName**	**LastName**	**Position**	**Sex**	**DateOfBirth**	**AnnualSalary**	**BranchNo**
7369	Rahim	Khan	Manager	M	12/17/1989	800	40
7370	Khan	Tahmeed	Assistant	M	02/20/1980	1600	30
7371	Karim	Rahman	Supervisor	F	04/04/1976	2850	30
7372	Kazi	Hasan	Assistant	M	05/15/1995	2750	20
7373	Hasan	Shahriar	Manager	M	06/10/1996	2200	30
7374	Kazi	Maruf	Assistant	F	02/22/2000	1250	40
7375	Kamran	Rashid	Assistant	F	11/25/1999	1400	10

Note: Add relevant Identity constraints while creating tables.
    Branch: DEFAULT "Dhaka"
    PropertyForRent: Rent must be greater than 3000

<u>Queries based on the above tables:</u>

1. List full details of all staff.
2. Produce a list of salaries for all staff, showing only the staff number, the first and last names, and the salary details. (Concatenate the first name and last name as "Name of the staff")
3. Produce a list of monthly salaries for all staff, showing the staff number, the first and last names (concatenated as "Name of the employee"), and the salary details.
4. List the addresses (full address) of all branch offices in Dhaka or Sylhet.
5. List all staff with a salary between 2,000 and 3,000.
6. List all managers and supervisors.
7. Update the first name and last name of staffs to lower case.
8. Produce a list of details for all staff, arranged in descending order of salary and ascending order of lastname.
9. List out all staff whose firsts name length is greater than 4 and start with "K" and end with "m" or "n".
10. List out all staff working in branch 30 and date of birth in the range of 02/20/1980 to 02/22/2000.
11. How many properties cost more than 3500 per month to rent?
12. Find the total number of Managers and the sum of their salaries.
13. Find the number of staff working in each branch and the sum of their salaries; display the results in branch order.
14. For each branch office with more than one member of staff, find the number of staff working in each branch and the sum of their salaries
15. List the Lastname of the staffs who are working in the Dhaka branch.
16. List all property_type of mobile-no 01677515829.
17. Suppose a new house has been built in Zigatola(Adress) by Elon Mask under Dhanmondi, Dhaka branch. The house has 4 rooms with a rent of 9300. No staff has been been appointed in that house as it is completely new. Insert data into table/tables from the above scenario. Now find out list of all PropertyNo and the firstname of the staffs using one single query.
18. List the three staffs who have the maximum amount of salary.
19. How many employees are working in different branch cities.

20. List the lastname of all owners along with the address of their property whether he/she owns one or not.