DBMS Lab Exercise (Day 1)

With the Dream Home database management system, write the following SQL Statement:

1. Your first task will be to create your own oracle table space and call it your name. Give it a small size as possible so that you cannot use all the resources. Create your user name and password and set this account to access only your table space. With sys account privileges, give your account all possible access except the one for dba.
2. Create the following tables using the appropriate datatype for every column and Insert at least 30 row for each tables created.

PropertyFortRent

PropertyNo	Street	City	Postcode	rent
PA14	16 Holhead	Alberdeen	AB7 5SU	650
PL94	6Argyll st	London	NW2	400
PG21	18Dale Rd	Glasgow	G12	600

Client

ClientNo	Fname	Lname	Address	TelNo
CR75	John	Kay	London	0171-7774-55
CR74	Mike	Ritchie	Glasgow	0177-3333-33
CR73	Mary Ken	Tregear	London	0188-3322-22

3. Write an SQL statement to list full details of all **PropertyForRent.**
4. Write an SQL statement to list full details of all **Clients**
5. Write an SQL statement to list details of all **PropertForRent** located in London
6. Write an SQL statement to list the names and addresses of all client living in London, alphabetically ordered by **Fname.**
7. Write an SQL statement to list all properties with a rent below 500, in **ascending order of rent.**
8. Write an SQL statement to list all properties with a rent greater than 500, in **descending order of rent.**
9. Write SQL statement to change the size of **Fame** address to 35 Characters instead of previously defined.
10. Write SQL statement to modify the Client table by adding RegDate with **date** datatype

DBMS Lab Exercise (Day 2)

1. Write an SQL statement to Increase the rent of all properties by 5%.
2. Write a SQL statement to display properties details for which the rent is within the range more than 0.10% and less than 0.12% of target value of 1000.
3. Write a SQL query to display properties details for rent which exceeds the 50% of target value of 800
4. Write a query to sort out those Client with all information whose ClientNo value is within any of CR75, CR79 and CR76
5. Write an SQL statement update the address as 'Kigali' and TelNo as '0788692571' for client 'John'
6. Write an SQL statement to find out those properties which have the rent greater than the rent of propertNo **PG21**.
7. Write an SQL statement to display those clients who live in different address than any other clients.
8. Write an SQL statement to delete the client whose address is **Glasgow.**
9. Write an SQL statement to modify the name of **client** table to **Customer.**
10. Write an SQL statement to create backup table of Customer and call it client. The new client table must have the same structure as Customer table.
11. Write an SQL statement to drop permanently customer table.

DBMS Lab Exercise (Day 3)

1. Write an SQL statement to count number of properties.
2. Write an SQL statement to find out the average rent of all properties.
3. Write an SQL statement to find out the total revenue of rent, from all properties.
4. Write an SQL statement to find out the maximum rent.
5. Write an SQL statement to find out the Minimum rent.
6. Write an SQL statement to display a list of properties for which the rent is in range of 800 and 500.
7. Write an SQL statement to display client whose Lname started by latter 'm'.
8. Write an SQL statement to find out client who's Lname has letter 'a' at the second possession.
9. Write an SQL statement to print out the list of client who's fname and lname end by letter 'e'
10. Write a SQL statement to find those clients with all information whose name contain only four characters, in which 1st character must be 'M' and 4th character is 'y' and rests may be any character

DBMS Lab Exercise (Day 4)

Lease

No	Property No	ClientNo	Deposit	DepDate	Payment Method	Paid	StartDate	FinishDate
10024	PA14	CR73	1300	30-JAN-04	Visa	Y	1-JAN-06	1-FEB-06
10075	PL94	CR74	800	20-JAN-05	Cash	N	1-FEB-06	1-MAY-06
10012	PG21	CR75	1200	31-DES-05	Cheque	Y	1-JAN-06	1-MAR-06
10013	PA14	CR73	1800	20-FEB-05	visa	Y	1-MAR-06	1-DES-06

Referring to the table **client** and **PropertyFortRent** created in previous exercise. Now create the **lease** table using the integrity enhancement features of SQL with the following constraints:

1. **Paid** values must be either Y, or N.
2. **Deposit** must be between 700 and 10000.
3. The same property cannot be double-leased with the same client.
4. **PropertyNo** and **ClientNo** are foreign column which have reference in **client** and **propertyForent** table. **No** must be the defined as primary key
5. Write SQL statement to list full detail and the total revenue of deposit for each property.
6. Find out the sum of all the deposit made for the month of January
7. Write SQL statement to display the client's detail whom they rent will finish in the current month.
8. Write one SQL statement to show total deposit for each payment method
9. Write one SQL statement to show the total deposit for each payment method only where such total is greater than 2500.
10. Write an SQL statement to create a view that shows the property which have the highest rent
11. Create a view containing the property's city and the names of the clients who have lease the properties.
12. Create a sequence by the name **descending_sequense**, which will generate numbers from 100 up 1 in descending order with an interval of 1 the sequence must restart from the number 100 after generating number 1.
13. Create a sequence by the name **ascending_sequence**, which will generate numbers from 1 up 100 in ascending order with an interval of 2 the life time of the sequence will end after generating 100.

LAB SIGNATURE FORM-DBMS

Student Names:.....

Registration Number:.....

Group:.....

Day:.....

Exercise	Status	Observation by Instructor	
Exercise 01	☐		
Exercise 02	☐		
Exercise 03	☐		
Exercise 04	☐		
Exercise 05	☐		
Exercise 06	☐		
Exercise 07	☐		
Exercise 08	☐		
Exercise 09	☐		
Exercise 10	☐		
Exercise 11	☐		
Exercise 12	☐		
Exercise 13	☐		
Exercise 14	☐		
Exercise 15	☐		
Exercise 16	☐		
Exercise 17	☐		
Exercise 18	☐		
Exercise 19	☐		
Exercise 20	☐		
Exercise 21	☐		

Exercise 22	☐		
Exercise 23	☐		
Exercise 24	☐		
Exercise 25	☐		
Exercise 26	☐		
Exercise 27	☐		
Exercise 28	☐		
Exercise 29	☐		
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Exercise 31	☐		
Exercise 32	☐		
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Exercise 34	☐		
Exercise 35	☐		
Exercise 36	☐		
Exercise 37	☐		
Exercise 38	☐		
Exercise 39	☐		
Exercise 40	☐		
Exercise 41	☐		
Exercise 42	☐		
Exercise 43	☐		
Exercise 44	☐		

Student Signature..... **Date:**.....