Practical List 4 (Applying Constraints)
Subject : DBMS LAB

1. Logon to Oracle using your User Name and check your user name.

2. See list of all tables.

3. Create a table "**Car**" with following attributes :
(Assume Data Type and size of column of your own, they must be relevant)

ModelNo	Primary Key
ModelName	Unique
Company	Not null
EngineCapacity	> 1000
Color	
Doors	> 1
Weight	> 1000
TopSpeed	< 500
RPM	>5000
CostPrice	
SalePrice	

4. Display the structure of table

5. Populate the table with all the car models of "Maruti Suzuki' , "Hundai" , "Honda" etc companies.
(Please Fill Proper and Relevant Values for Each Tuple)

6. Write queries for the following outputs.
  ➢ Show all records
  ➢ Show names of all the cars of Maruti.
  ➢ Show record of all Cars whose engine is more than 2000 CC.
  ➢ Show record of all cars of white color.
  ➢ Show records of all vehicles which are costing more than 4 Lacs.
  ➢ Show the costprice, saleprice and profit on all cars.
  ➢ Show the names of all cars alphabetically.

7. Now create another table named **"vehicle"** from **"car"** table created in Q No.3 without records, however the columns should be in following order: (Do not write the complete new create table statement, rather create table from existing Car Table without records).

(Do not copy any records from Car Table , Copy only columns)
The Column should be in following order only:

> TopSpeed
> Doors
> CostPrice
> ModelName
> Company
> RPM
> EngineCapacity
> Color
> ModelNo
> Weight
> SalePrice

8. Display the structure of new table

9. Now Populate the **"Vehicle"** table with all the records of **"Car"** table but the records should be inserted in random order this time (Not in same order as of "Car" Table).

> **(Like 11,4,5,1,7,3,2,9ᵗʰ record etc)**

Do not write new Insert queries, rather copy records from "Car" table in random order.

10. Re-Write queries given in Q6 on **"Vehicle"** table and notice the output (Is there any difference?)
- ➢ Show all records
- ➢ Show names of all the cars of Maruti.
- ➢ Show record of all Cars whose engine is more than 2000 CC.
- ➢ Show record of all cars whose color id white.
- ➢ Show records of all vehicles which are costing more than 4 Lacs.
- ➢ Show the costprice, saleprice and profit on all cars.
- ➢ Show the names of all cars alphabetically.