SQL Exercise 1

1. Create the table SEMP with the following structure:-
Create table SEMP(
    EMPNO   CHAR(4),
    EMPNAME   CHAR(20),
    BASIC   NUMBER(9,2),
    DEPTNO   CHAR(2),
    DEPTHEAD   CHAR(4)
)

2. Create the table SDEPT with the following structure:-
Create table SDEPT(
    DEPTNO   CHAR(2),
    DEPTNAME   CHAR(15))

3. Insert into the SDEPT table the following values:-
Insert into SDEPT
    Values (10, 'Development'),
    (20, 'Training'))
    Select * from dual;

4. Insert into the SEMP table the following values:-
Insert into SEMP
    Values((0001, SUNIL, 6000, 10),
    (0002, HIREN, 8000, 20),
    (0003, ALI, 4000, 10, 0001),
    (0004, GEORGE, 6000, 0002)) select * from dual;

Create S, P, J, SPJ tables as specified below and insert a few rows in each table:-

    SUPPLIER   -   S
    (S#, Sname, Status, City)
    PARTS   -   P
    (P#, Pname, Color, Weight, City)
    PROJECTS   -   J
    (J#, Jname, City)
    SUPPLIER-PARTS-PROJECT   -   SPJ
    (S#, P#, J#, Qty)

    Sample data for S# column:- 'S1', 'S2', 'S3', etc.
    Sample data for P# column:- 'P1', 'P2', 'P3', etc.
    Sample data for J# column:- 'J1', 'J2', 'J3', etc.
    Sample data for Status column:- 10, 20, 30, etc.

    Write the SELECT queries to do the following:-

5. Display all the data from the S table.
   Select * from s227

6. Display only the S# and SNAME fields from the S table.
   Select s#,sname from s227

7. Display the PNAME and COLOR from the P table for the CITY="Pune".

   Select pname,color from p227
   Where city = 'Pune'

8. Display all the Suppliers from Pune.
   Select * from s227
   Where city = 'Pune'

9. Display all the Suppliers from Paris or Athens.

   Select * from s227 where city = 'Bhilai' or city = 'Mumbai'

10. Display all the Projects in Athens.
    Select * from j227
    Where city = 'mumbai'

11. Display all the Partnames with the weight between 12 and 14 (inclusive of both).

    Select * from p227 where weight between 12 and 14

12. Display all the Suppliers with a Status greater than or equal to 20.
    Select * from s227 where status >=20

13. Display all the Suppliers except the Suppliers from London.
    Select * from s227 where city <> 'sawantwadi'

14. Display only the Cities from where the Suppliers come from.

    Select city from s227
15. Assuming that the Part Weight is in GRAMS, display the same in MILLIGRAMS and KILOGRAMS.
    Select p#, weight,weight*1000 mg, weight/1000 kg from p227