SQL Exercise 1

1. Create the table SEMP with the following structure:-

EMPNO CHAR(4)

EMPNAME CHAR(20)

BASIC FLOAT

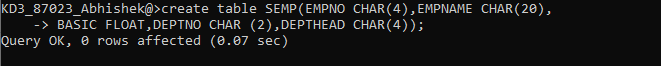
DEPTNO CHAR(2)

DEPTHEAD CHAR(4)

->

create table SEMP(EMPNO CHAR(4),EMPNAME CHAR(20),

BASIC FLOAT,DEPTNO CHAR (2),DEPTHEAD CHAR(4));



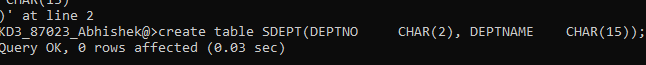
2. Create the table SDEPT with the following structure:-

DEPTNO CHAR(2)

DEPTNAME CHAR(15)

->

create table SDEPT(DEPTNO CHAR(2), DEPTNAME CHAR(15));



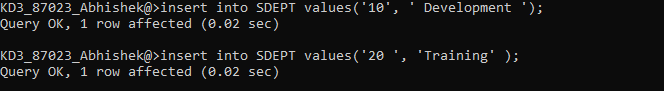
3. Insert into the SDEPT table the following values:-

10, Development

20, Training

-> insert into SDEPT values(‘10’, ‘ Development ‘);

insert into SDEPT values(20, Training );



4. Insert into the SEMP table the following values:-

0001, SUNIL, 6000, 10

0002, HIREN, 8000, 20

0003, ALI, 4000, 10, 0001

0004, GEORGE, 6000, 0002

-> Insert into SEMP values('0001',' SUNIL', 6000, '10',null ),

('0002', 'HIREN', 8000, '20',null ),

('0003', 'ALI', 4000, '10', '0001' ),

('0004',' GEORGE', 6000, null,'0002'

);

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

SUPPLIER

(S#, Sname, Status, City) - S

PARTS

(P#, Pname, Color, Weight, City) - P

PROJECTS

(J#, Jname, City) - J

SUPPLIER-PARTS-PROJECT

(S#, P#, J#, Qty)

- SPJ

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.

-> CREATE TABLE SUPPLIER (

`S#` CHAR(2),

Sname VARCHAR(10),

Status INT,

City VARCHAR(10)

);

CREATE TABLE PARTS (

`P#` CHAR(2),

Pname VARCHAR(10),

Color VARCHAR(10),

Weight INT,

City VARCHAR(10)

);

CREATE TABLE PROJECTS (

`J#` CHAR(2),

Jname VARCHAR(10),

City VARCHAR(10)

);

CREATE TABLE `SUPPLIER-PARTS-PROJECT` (

`S#` CHAR(2),

`P#` CHAR(2),

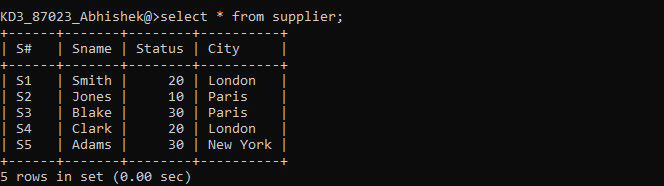
`J#` CHAR(2),

Qty INT

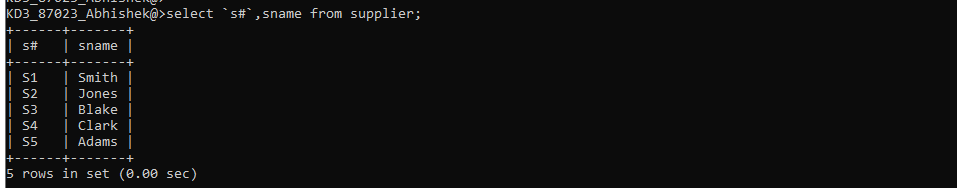
);

Write the SELECT queries to do the following:-

5. Display all the data from the S table.



6. Display only the S# and SNAME fields from the S table.



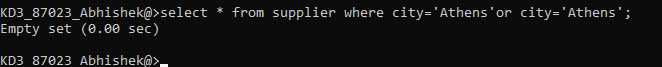
7. Display the PNAME and COLOR from the P table for the CITY=”London”.



8. Display all the Suppliers from London.

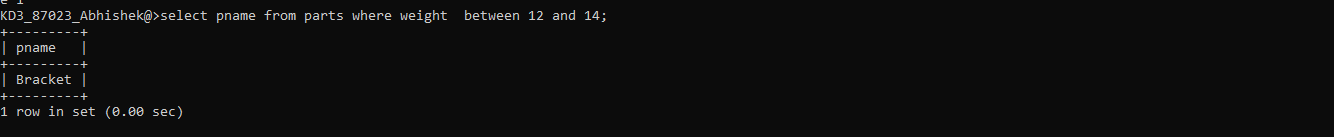


9. Display all the Suppliers from Paris or Athens.

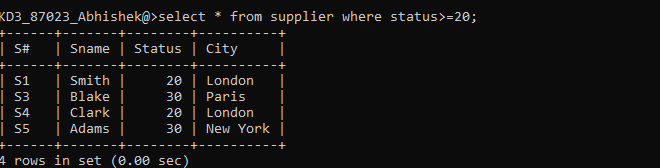


10. Display all the Projects in Athens.

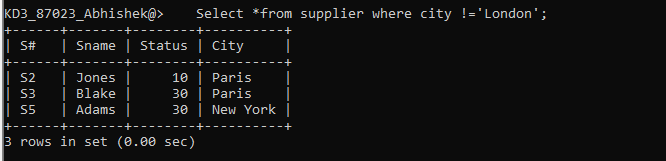
11. Display all the Partnames with the weight between 12 and 14 (inclusive of both).



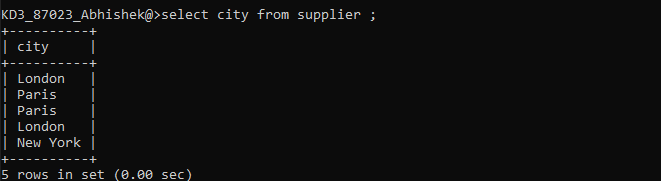
12. Display all the Suppliers with a Status greater than or equal to 20.



13. Display all the Suppliers except the Suppliers from London.



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



15. Assuming that the Part Weight is in GRAMS, display the same in

MILLIGRAMS and KILOGRAMS.

