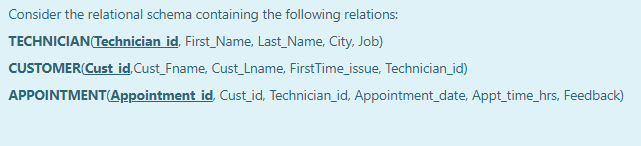
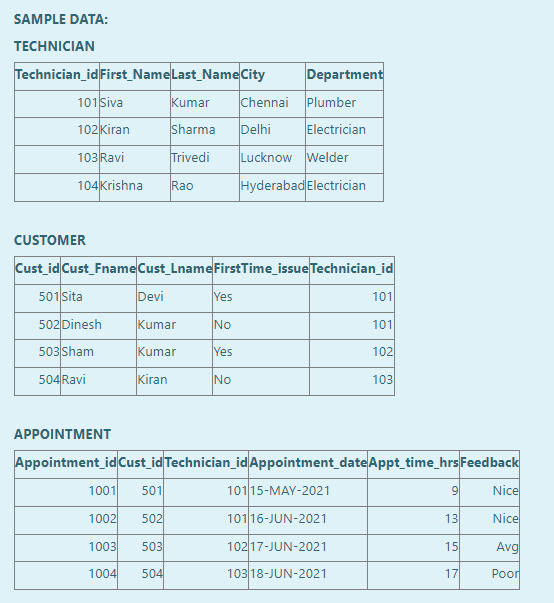
**DBMS LAB FAT   
MEHER SHRISHTI NIGAM 20BRS1193**

**Tables and Sample data**





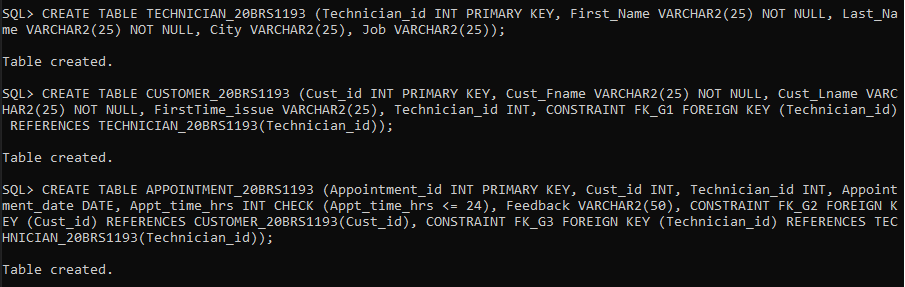


**Create Queries -**

CREATE TABLE TECHNICIAN\_20BRS1193 (Technician\_id INT PRIMARY KEY, First\_Name VARCHAR2(25) NOT NULL, Last\_Name VARCHAR2(25) NOT NULL, City VARCHAR2(25), Job VARCHAR2(25));

CREATE TABLE CUSTOMER\_20BRS1193 (Cust\_id INT PRIMARY KEY, Cust\_Fname VARCHAR2(25) NOT NULL, Cust\_Lname VARCHAR2(25) NOT NULL, FirstTime\_issue VARCHAR2(25), Technician\_id INT, CONSTRAINT FK\_G1 FOREIGN KEY (Technician\_id) REFERENCES TECHNICIAN\_20BRS1193(Technician\_id));

CREATE TABLE APPOINTMENT\_20BRS1193 (Appointment\_id INT PRIMARY KEY, Cust\_id INT, Technician\_id INT, Appointment\_date DATE, Appt\_time\_hrs INT CHECK (Appt\_time\_hrs <= 24), Feedback VARCHAR2(50), CONSTRAINT FK\_G2 FOREIGN KEY (Cust\_id) REFERENCES CUSTOMER\_20BRS1193(Cust\_id), CONSTRAINT FK\_G3 FOREIGN KEY (Technician\_id) REFERENCES TECHNICIAN\_20BRS1193(Technician\_id));



**Inserting values -**

INSERT ALL

    INTO TECHNICIAN\_20BRS1193 VALUES (101, 'Siva', 'Kumar', 'Chennai', 'Plumber')

    INTO TECHNICIAN\_20BRS1193 VALUES (102, 'Kiran', 'Sharma', 'Delhi', 'Electrician')

    INTO TECHNICIAN\_20BRS1193 VALUES (103, 'Ravi', 'Trivedi', 'Lucknow', 'Welder')

    INTO TECHNICIAN\_20BRS1193 VALUES (104, 'Krishna', 'Rao', 'Hyderabad', 'Electrician')

SELECT \* FROM DUAL;

INSERT ALL

    INTO CUSTOMER\_20BRS1193 VALUES (501, 'Sita', 'Devi', 'Yes', 101)

    INTO CUSTOMER\_20BRS1193 VALUES (502, 'Dinesh', 'Kumar', 'No', 101)

    INTO CUSTOMER\_20BRS1193 VALUES (503, 'Sham', 'Kumar', 'Yes', 102)

    INTO CUSTOMER\_20BRS1193 VALUES (504, 'Ravi', 'Kiran', 'No', 103)

SELECT \* FROM DUAL;

INSERT ALL

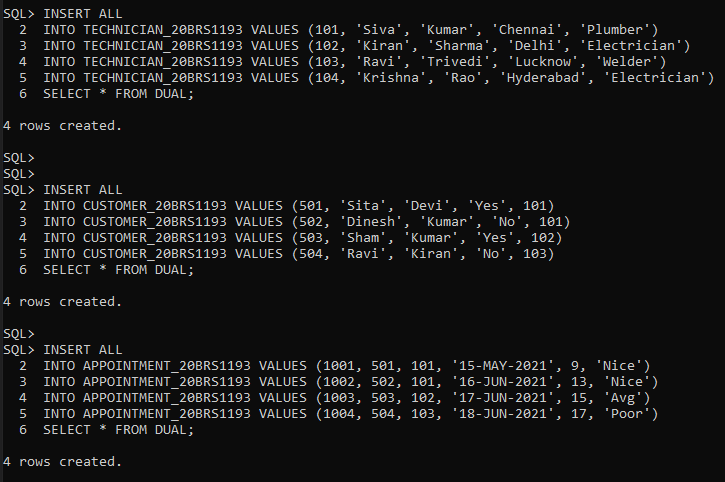
    INTO APPOINTMENT\_20BRS1193 VALUES (1001, 501, 101, '15-MAY-2021', 9, 'Nice')

    INTO APPOINTMENT\_20BRS1193 VALUES (1002, 502, 101, '16-JUN-2021', 13, 'Nice')

    INTO APPOINTMENT\_20BRS1193 VALUES (1003, 503, 102, '17-JUN-2021', 15, 'Avg')

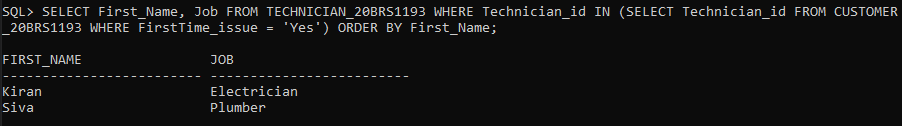
    INTO APPOINTMENT\_20BRS1193 VALUES (1004, 504, 103, '18-JUN-2021', 17, 'Poor')

SELECT \* FROM DUAL;



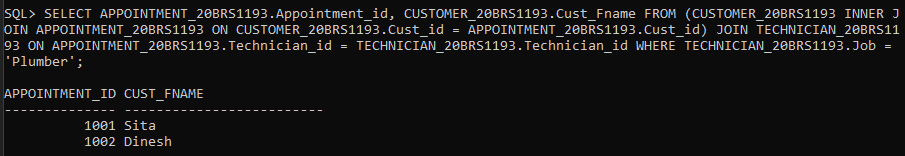


SELECT First\_Name, Job FROM TECHNICIAN\_20BRS1193 WHERE Technician\_id IN (SELECT Technician\_id FROM CUSTOMER\_20BRS1193 WHERE FirstTime\_issue = 'Yes') ORDER BY First\_Name;



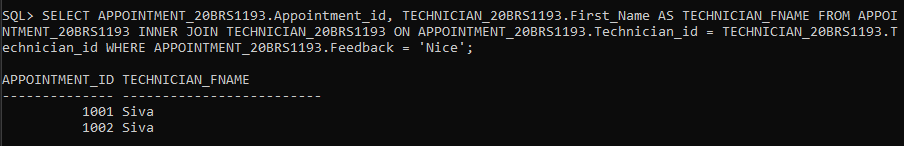


SELECT APPOINTMENT\_20BRS1193.Appointment\_id, CUSTOMER\_20BRS1193.Cust\_Fname FROM (CUSTOMER\_20BRS1193 INNER JOIN APPOINTMENT\_20BRS1193 ON CUSTOMER\_20BRS1193.Cust\_id = APPOINTMENT\_20BRS1193.Cust\_id) JOIN TECHNICIAN\_20BRS1193 ON APPOINTMENT\_20BRS1193.Technician\_id = TECHNICIAN\_20BRS1193.Technician\_id WHERE TECHNICIAN\_20BRS1193.Job = 'Plumber';





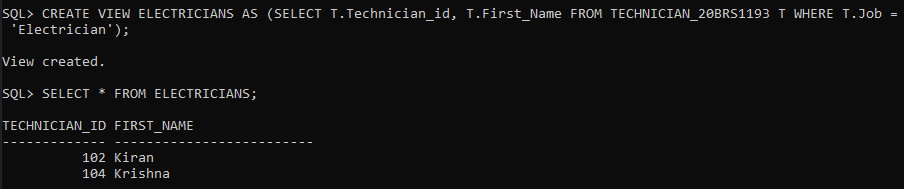
SELECT APPOINTMENT\_20BRS1193.Appointment\_id, TECHNICIAN\_20BRS1193.First\_Name AS TECHNICIAN\_FNAME FROM APPOINTMENT\_20BRS1193 INNER JOIN TECHNICIAN\_20BRS1193 ON APPOINTMENT\_20BRS1193.Technician\_id = TECHNICIAN\_20BRS1193.Technician\_id WHERE APPOINTMENT\_20BRS1193.Feedback = 'Nice';

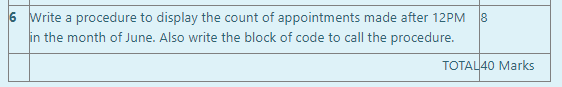




CREATE VIEW ELECTRICIANS AS (SELECT T.Technician\_id, T.First\_Name FROM TECHNICIAN\_20BRS1193 T WHERE T.Job = 'Electrician');

SELECT \* FROM ELECTRICIANS;





**Procedure code –**

CREATE OR REPLACE PROCEDURE APT\_COUNT

(CNT OUT INT)

IS

BEGIN

    SELECT COUNT(\*) INTO CNT FROM APPOINTMENT\_20BRS1193 WHERE INSTR(Appointment\_date, 'JUN') > 0 AND Appt\_time\_hrs >= 12;

END APT\_COUNT;

/

**Main Code –**

set serverout on;

DECLARE

    CNT INTEGER;

BEGIN

    APT\_COUNT(CNT);

    dbms\_output.put\_line('The no. of appointments made after 12PM in Jun are ' || CNT);

END;

/

