

MachineTest2 _PL2121

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CREATE TABLE Manufacturer (  
    MfName VARCHAR(40) PRIMARY KEY,  
    city VARCHAR(40),  
    state VARCHAR(40)  
);  
CREATE TABLE Employee (  
    EmployeeId INT PRIMARY KEY,  
    EmpName VARCHAR(50),  
    phone VARCHAR(15),  
    email VARCHAR(50),  
    area_code VARCHAR(10),  
    usageStatus VARCHAR(10)  
);  
CREATE TABLE Computer (  
    SerialNumber INT PRIMARY KEY,  
    MfName VARCHAR(40),  
    Model VARCHAR(50),  
    weight DECIMAL(10, 2),  
    EmployeeID INT,  
    FOREIGN KEY (EmployeeId) REFERENCES Employee(EmployeeId),  
    FOREIGN KEY (MfName) REFERENCES Manufacturer(MfName)  
);  
  
INSERT INTO Manufacturer (MfName, city, state)  
VALUES  
    ('Manufc1', 'south dakota', 'africa'),  
    ('Manufc2', 'Kollam', 'india'),  
    ('Manufc33', 'Triandrum', 'kerala');  
  
INSERT INTO Employee VALUES  
    (1, Bimal, '1234554354', 'bimal@gmail.com', '213', 'In USE'),  
    (2, 'AkhilB', '345432', '324456342', 'akhil@gmail.com', '3', 'IN USE'),  
    (3, 'Rahulj', '324567', '3224536789', 'rahul@gmail.com', '34', 'NOT USE');  
  
INSERT INTO COMPUTER VALUES  
    (101, 'ComputerModel1', '344', 5, 1),  
    (102, 'ComputerModel2', '942', 23, 2),  
    (103, 'ComputerModel3', '104', 333, 3);
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1.SELECT Mfname FROM Manufacturer WHERE state='South Dakota'

2.SELECT AVG(weight) AS 'Average' FROM Computer WHERE UsageStatus='IN USE'

3.SELECT EmployeeName FROM Employee WHERE area_code LIKE('2%')

4.SELECT SerialNumber FROM Computer WHERE weight<(select AVG(weight)FROM
Computer)

5.SELECT MfName FROM Manufacturer WHERE MfName NOT IN (
    SELECT DISTINCT Manufacturer.MfName
    FROM Manufacturer
    JOIN COMPUTER
    ON Manufacturer.MfName = COMPUTER.MfName
    WHERE COMPUTER.UsageStatus = 'IN USE'
);

6.SELECT E.EmpName,C.SerialNumber,city FROM employee AS E
INNER JOIN Computer AS C
ON E.EmployeeId=c.EmployeeId
INNER JOIN Manufacturer AS M
ON c.MfName=m.MfName

7.CREATE PROCEDURE GetComputerByEmployeeId
    @EmployeeId INT
AS
BEGIN
    SELECT Computer.SerialNumber, Manufacturer.MfName, Model, weight
    FROM Computer
    INNER JOIN Employee ON Computer.EmployeeId = Employee.EmployeeId
    INNER JOIN Manufacturer ON Computer.MfName = Manufacturer.MfName
    WHERE Employee.EmployeeId = @EmployeeId;
END;
EXEC GetComputerByEmployeeId @employeeid=1

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