CREATE DATABASE VisitorManagement;

USE VisitorManagement;

SHOW DATABASES;

CREATE TABLE Location (

LocationID INT PRIMARY KEY,

LocationName VARCHAR(100) NOT NULL

);

UPDATE Location

SET LocationID=5

WHERE LocationID=1;

SELECT \* FROM Location;

CREATE TABLE Host (

HostID INT PRIMARY KEY,

HostName VARCHAR(100) NOT NULL,

EmployeeNumber VARCHAR(50) UNIQUE NOT NULL,

Department VARCHAR(100),

LocationID INT,

ContactNumber VARCHAR(20),

FOREIGN KEY (LocationID)

REFERENCES Location(LocationID)

ON DELETE CASCADE

ON UPDATE CASCADE

);

SELECT \* FROM Host;

CREATE TABLE Visitor (

VisitorID INT PRIMARY KEY,

Name VARCHAR(100) NOT NULL,

LocationID INT,

ParentCompany VARCHAR(100),

Purpose VARCHAR(255),

MobileNumber VARCHAR(20),

VisitingDate DATE,

HostID INT,

FOREIGN KEY (HostID)

REFERENCES Host(HostID)

ON DELETE CASCADE

ON UPDATE CASCADE,

FOREIGN KEY (LocationID)

REFERENCES Location(LocationID)

);

SELECT \* FROM Visitor;

-----------------------------------------------------------------------------

(1)

INSERT INTO Location

VALUES

(1,'HYDERABAD'),

(2,'CHENNAI'),

(3,'BANGALORE'),

(4,'GUWAHATI'),

(5,'MUMBAI'),

(6,'GURGAON'),

(7,'NOIDA'),

(8,'KOCHI'),

(9,'DELHI'),

(10,'PUNE');

INSERT INTO HOST

VALUES

(1,'KRISHNA','EMP101','IT',1,'9876543210'),

(2,'MAHESH','EMP102','IT',6,'9876543211'),

(3,'VENKAT','EMP103','IT',9,'9876543212'),

(4,'GAUTHAM','EMP104','IT',3,'9876543213'),

(5,'KALYAN','EMP105','IT',2,'9876543214'),

(6,'TARAK','EMP106','IT',4,'9876543215'),

(7,'RAM','EMP107','IT',5,'9876543216'),

(8,'NAVEEN','EMP108','IT',10,'9876543217'),

(9,'SIDDHU','EMP109','IT',7,'9876543218'),

(10,'CHARAN','EMP110','IT',8,'9876543219');

INSERT INTO Visitor

VALUES

(1,'MARK',1,'MPHASIS','BUSINESS MEETING','555-0201','2025-04-01',1),

(2,'ROBERT',2,'TCS','INTERVIEW','555-0202','2025-04-02',2),

(3,'STARK',3,'COGNIZANT','BUSINESS MEETING','555-0203','2025-04-03',3),

(4,'CHRIS',4,'OPEN-AI','BUSINESS MEETING','555-0204','2025-04-04',4),

(5,'ADAM',5,'META','BUSINESS MEETING','555-0205','2025-04-05',5),

(6,'ELLIS',6,'INFOSYS','BUSINESS MEETING','555-0206','2025-04-06',6),

(7,'BREWIS',7,'BARCLAYS','BUSINESS MEETING','555-0207','2025-04-07',7),

(8,'BOULT',8,'BOEING','BUSINESS MEETING','555-0208','2025-04-08',8),

(9,'JACKS',9,'MITSOGO','BUSINESS MEETING','555-0209','2025-04-09',9),

(10,'JAMIE',10,'IBM','BUSINESS MEETING','555-0210','2025-04-10',10);

(2)

SELECT \* FROM Location;

(3)

SELECT DISTINCT l.LocationName

FROM Location l

JOIN Visitor v ON l.LocationID=v.LocationID;

(4)

SELECT LocationName

FROM Location

WHERE LocationName LIKE 'S%';

(5)