

CSCI 585 - HW2
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```
CREATE TABLE Employee (  
    Employee_ID INT PRIMARY KEY,  
    Full_Name VARCHAR(255) NOT NULL,  
    Office_Number VARCHAR(20) UNIQUE,  
    Office_Floor INT CHECK (Office_Floor BETWEEN 1 AND 10),  
    Phone_Number VARCHAR(15) NOT NULL,  
    Email_Address VARCHAR(255) NOT NULL UNIQUE  
);
```

```
CREATE TABLE Meeting (  
    Meeting_ID INT PRIMARY KEY,  
    First_Employee_ID INT NOT NULL,  
    Second_Employee_ID INT NOT NULL,  
    Room_Number INT NOT NULL,  
    Floor_Number INT CHECK (Floor_Number BETWEEN 1 AND 10) NOT NULL,  
    Meeting_Date DATE NOT NULL,  
    Start_Time INT CHECK (Start_Time BETWEEN 8 AND 18) NOT NULL,  
    FOREIGN KEY (First_Employee_Id) REFERENCES Employee(Employee_ID),  
    FOREIGN KEY (Second_Employee_Id) REFERENCES Employee(Employee_ID),  
    CHECK (First_Employee_Id <> Second_Employee_Id)  
);
```

```
CREATE TABLE Scan (  
    Scan_ID INT PRIMARY KEY,  
    Scan_Date DATE NOT NULL,  
    Scan_Time INT CHECK (Scan_Time BETWEEN 0 AND 23) NOT NULL,  
    Employee_ID INT NOT NULL,  
    Temperature FLOAT NOT NULL,  
    FOREIGN KEY (Employee_ID) REFERENCES Employee(Employee_ID)  
);
```

```
CREATE TABLE Symptom (  
    Row_ID INT PRIMARY KEY,  
    Employee_ID INT NOT NULL,  
    Reported_Date DATE NOT NULL,  
    Symptom_ID INT CHECK (Symptom_ID BETWEEN 1 AND 5) NOT NULL,  
    FOREIGN KEY (Employee_ID) REFERENCES Employee(Employee_ID)  
);
```

```
CREATE TABLE Test (  
    Test_ID INT PRIMARY KEY,  
    Location VARCHAR(50) NOT NULL,  
    Test_Date DATE NOT NULL,  
    Test_Time INT CHECK (Test_Time BETWEEN 0 AND 23) NOT NULL,  
    Employee_ID INT,  
    Row_ID INT UNIQUE,  
    Scan_ID INT UNIQUE,  
    Test_Result VARCHAR(10) CHECK (Test_Result IN ('positive', 'negative'))  
NOT NULL,  
    FOREIGN KEY (Employee_ID) REFERENCES Employee(Employee_ID),  
    FOREIGN KEY (Row_ID) REFERENCES Symptom(Row_ID),  
    FOREIGN KEY (Scan_ID) REFERENCES Scan(Scan_ID),  
    CHECK (  
        (Employee_ID IS NOT NULL) OR
```

```

        (Row_ID IS NOT NULL) OR
        (Scan_ID IS NOT NULL)
    )
);

```

```

CREATE TABLE Notification (
    Notification_ID INT PRIMARY KEY,
    Employee_ID INT NOT NULL,
    Meeting_ID INT NOT NULL,
    Test_ID INT,
    Notification_Date DATE NOT NULL,
    Notification_Type VARCHAR(10) CHECK (Notification_Type IN ('mandatory',
'optional')) NOT NULL,
    FOREIGN KEY (Employee_ID) REFERENCES Employee(Employee_ID),
    FOREIGN KEY (Meeting_ID) REFERENCES Meeting(Meeting_ID),
    FOREIGN KEY (Test_ID) REFERENCES Test(Test_ID)
);

```

```

CREATE TABLE Case_Record (
    Case_ID INT PRIMARY KEY,
    Case_Date DATE NOT NULL,
    Test_ID INT UNIQUE NOT NULL,
    Employee_ID INT NOT NULL,
    Resolution VARCHAR(50) CHECK (Resolution IN ('in quarantine', 'back to
work', 'left the company', 'deceased')) NOT NULL,
    FOREIGN KEY (Test_ID) REFERENCES Test(Test_ID),
    FOREIGN KEY (Employee_ID) REFERENCES Employee(Employee_ID)
);

```

```

CREATE TABLE Health_Status (
    Status_ID INT PRIMARY KEY,
    Case_ID INT NOT NULL,
    Health_Reported_Date DATE NOT NULL,
    Employee_ID INT NOT NULL,
    Status VARCHAR(50) CHECK (Status IN ('sick', 'hospitalized', 'well'))
NOT NULL,
    FOREIGN KEY (Case_ID) REFERENCES Case_Record(Case_ID),
    FOREIGN KEY (Employee_ID) REFERENCES Employee(Employee_ID)
);

```

```

INSERT INTO Employee (Employee_ID, Full_Name, Office_Number, Office_Floor, Phone_Number,
Email_Address)

```

```

VALUES (1, 'Akiko Tanaka', 'A123', 4, '555-123-4567', 'akiko.tanaka@example.com');

```

```

INSERT INTO Employee (Employee_ID, Full_Name, Office_Number, Office_Floor, Phone_Number,
Email_Address)

```

```

VALUES (2, 'Yuki Nakamura', 'B456', 3, '555-234-5678', 'yuki.nakamura@example.com');

```

```

INSERT INTO Employee (Employee_ID, Full_Name, Office_Number, Office_Floor, Phone_Number,
Email_Address)

```

```
VALUES (3, 'Satoshi Yamamoto', 'C789', 4, '555-345-6789', 'satoshi.yamamoto@example.com');
```

```
INSERT INTO Employee (Employee_ID, Full_Name, Office_Number, Office_Floor, Phone_Number, Email_Address)
```

```
VALUES (4, 'Hiroshi Suzuki', 'D012', 2, '555-456-7890', 'hiroshi.suzuki@example.com');
```

```
INSERT INTO Employee (Employee_ID, Full_Name, Office_Number, Office_Floor, Phone_Number, Email_Address)
```

```
VALUES (5, 'Aisha Khan', 'E345', 3, '555-567-8901', 'aisha.khan@example.com');
```

```
INSERT INTO Employee (Employee_ID, Full_Name, Office_Number, Office_Floor, Phone_Number, Email_Address)
```

```
VALUES (6, 'Jung-Hoon Lee', 'F678', 7, '555-678-9012', 'jung-hoon.lee@example.com');
```

```
INSERT INTO Employee (Employee_ID, Full_Name, Office_Number, Office_Floor, Phone_Number, Email_Address)
```

```
VALUES (7, 'Li Wei', 'G901', 8, '555-789-0123', 'li.wei@example.com');
```

```
INSERT INTO Employee (Employee_ID, Full_Name, Office_Number, Office_Floor, Phone_Number, Email_Address)
```

```
VALUES (8, 'Priya Patel', 'H234', 1, '555-890-1234', 'priya.patel@example.com');
```

```
INSERT INTO Employee (Employee_ID, Full_Name, Office_Number, Office_Floor, Phone_Number, Email_Address)
```

```
VALUES (9, 'Ravi Singh', 'I567', 8, '555-901-2345', 'ravi.singh@example.com');
```

```
INSERT INTO Employee (Employee_ID, Full_Name, Office_Number, Office_Floor, Phone_Number, Email_Address)
```

```
VALUES (10, 'Mei Ling', 'J890', 6, '555-012-3456', 'mei.ling@example.com');
```

```
INSERT INTO Employee (Employee_ID, Full_Name, Office_Number, Office_Floor, Phone_Number, Email_Address)
```

```
VALUES (11, 'Takashi Watanabe', 'K123', 5, '555-111-2222', 'takashi.watanabe@example.com');
```

```
INSERT INTO Employee (Employee_ID, Full_Name, Office_Number, Office_Floor, Phone_Number, Email_Address)
```

```
VALUES (12, 'Hye-Jin Kim', 'L456', 3, '555-222-3333', 'hye-jin.kim@example.com');
```

```
INSERT INTO Employee (Employee_ID, Full_Name, Office_Number, Office_Floor, Phone_Number, Email_Address)
```

```
VALUES (13, 'Chen Xiang', 'M789', 7, '555-333-4444', 'chen.xiang@example.com');
```

```
INSERT INTO Employee (Employee_ID, Full_Name, Office_Number, Office_Floor, Phone_Number, Email_Address)
```

```
VALUES (14, 'Anushka Sharma', 'N012', 2, '555-444-5555', 'anushka.sharma@example.com');
```

```
INSERT INTO Employee (Employee_ID, Full_Name, Office_Number, Office_Floor, Phone_Number, Email_Address)
```

```
VALUES (15, 'Kenjiro Tanaka', 'O345', 9, '555-555-6666', 'kenjiro.tanaka@example.com');
```

```
INSERT INTO Employee (Employee_ID, Full_Name, Office_Number, Office_Floor, Phone_Number, Email_Address)
```

```
VALUES (16, 'Mei-Mei Chang', 'P678', 4, '555-666-7777', 'mei-mei.chang@example.com');
```

```
INSERT INTO Employee (Employee_ID, Full_Name, Office_Number, Office_Floor, Phone_Number, Email_Address)
```

```
VALUES (17, 'Jian Li', 'Q901', 10, '555-777-8888', 'jian.li@example.com');
```

```
INSERT INTO Employee (Employee_ID, Full_Name, Office_Number, Office_Floor, Phone_Number, Email_Address)
```

```
VALUES (18, 'Seo-Yeon Park', 'R234', 1, '555-888-9999', 'seo-yeon.park@example.com');
```

```
INSERT INTO Employee (Employee_ID, Full_Name, Office_Number, Office_Floor, Phone_Number, Email_Address)
```

```
VALUES (19, 'Rahul Gupta', 'S567', 8, '555-999-0000', 'rahul.gupta@example.com');
```

```
INSERT INTO Employee (Employee_ID, Full_Name, Office_Number, Office_Floor, Phone_Number, Email_Address)
```

```
VALUES (20, 'Xiao Zhang', 'T890', 6, '555-000-1111', 'xiao.zhang@example.com');
```

```
INSERT INTO Employee (Employee_ID, Full_Name, Office_Number, Office_Floor, Phone_Number, Email_Address)
```

```
VALUES (21, 'Arun Kumar', 'U123', 5, '555-123-2345', 'arun.kumar@example.com');
```

```
INSERT INTO Employee (Employee_ID, Full_Name, Office_Number, Office_Floor, Phone_Number, Email_Address)
```

```
VALUES (22, 'Hanako Sato', 'V456', 3, '555-234-3456', 'hanako.sato@example.com');
```

```
INSERT INTO Employee (Employee_ID, Full_Name, Office_Number, Office_Floor, Phone_Number, Email_Address)
```

```
VALUES (23, 'Ji-Woo Kim', 'W789', 7, '555-345-4567', 'ji-woo.kim@example.com');
```

```
INSERT INTO Employee (Employee_ID, Full_Name, Office_Number, Office_Floor, Phone_Number, Email_Address)
```

```
VALUES (24, 'Linh Nguyen', 'X012', 2, '555-456-5678', 'linh.nguyen@example.com');
```

```
INSERT INTO Employee (Employee_ID, Full_Name, Office_Number, Office_Floor, Phone_Number, Email_Address)
```

```
VALUES (25, 'Rahul Verma', 'Y345', 9, '555-567-6789', 'rahul.verma@example.com');
```

```
-- Meeting 1
```

```
INSERT INTO Meeting (Meeting_ID, First_Employee_ID, Second_Employee_ID, Room_Number, Floor_Number, Meeting_Date, Start_Time)
```

```
VALUES (1, 1, 2, 101, 5, TO_DATE('2023-10-08', 'YYYY-MM-DD'), 10);
```

```
-- Meeting 2
```

```
INSERT INTO Meeting (Meeting_ID, First_Employee_ID, Second_Employee_ID, Room_Number, Floor_Number, Meeting_Date, Start_Time)
```

```
VALUES (2, 3, 4, 102, 6, TO_DATE('2023-10-09', 'YYYY-MM-DD'), 14);
```

```
-- Meeting 3
```

```
INSERT INTO Meeting (Meeting_ID, First_Employee_ID, Second_Employee_ID, Room_Number,
Floor_Number, Meeting_Date, Start_Time)
VALUES (3, 5, 6, 103, 7, TO_DATE('2023-10-10', 'YYYY-MM-DD'), 15);
```

-- Meeting 4

```
INSERT INTO Meeting (Meeting_ID, First_Employee_ID, Second_Employee_ID, Room_Number,
Floor_Number, Meeting_Date, Start_Time)
VALUES (4, 7, 8, 104, 8, TO_DATE('2023-10-11', 'YYYY-MM-DD'), 11);
```

-- Meeting 5

```
INSERT INTO Meeting (Meeting_ID, First_Employee_ID, Second_Employee_ID, Room_Number,
Floor_Number, Meeting_Date, Start_Time)
VALUES (5, 9, 10, 105, 9, TO_DATE('2023-10-12', 'YYYY-MM-DD'), 13);
```

-- Meeting 6

```
INSERT INTO Meeting (Meeting_ID, First_Employee_ID, Second_Employee_ID, Room_Number,
Floor_Number, Meeting_Date, Start_Time)
VALUES (6, 11, 12, 106, 10, TO_DATE('2023-10-13', 'YYYY-MM-DD'), 16);
```

-- Meeting 7

```
INSERT INTO Meeting (Meeting_ID, First_Employee_ID, Second_Employee_ID, Room_Number,
Floor_Number, Meeting_Date, Start_Time)
VALUES (7, 13, 14, 107, 5, TO_DATE('2023-10-14', 'YYYY-MM-DD'), 12);
```

-- Meeting 8

```
INSERT INTO Meeting (Meeting_ID, First_Employee_ID, Second_Employee_ID, Room_Number,
Floor_Number, Meeting_Date, Start_Time)
VALUES (8, 15, 16, 108, 6, TO_DATE('2023-10-15', 'YYYY-MM-DD'), 10);
```

-- Meeting 9

```
INSERT INTO Meeting (Meeting_ID, First_Employee_ID, Second_Employee_ID, Room_Number,
Floor_Number, Meeting_Date, Start_Time)
VALUES (9, 17, 18, 109, 7, TO_DATE('2023-10-16', 'YYYY-MM-DD'), 15);
```

-- Meeting 10

```
INSERT INTO Meeting (Meeting_ID, First_Employee_ID, Second_Employee_ID, Room_Number,  
Floor_Number, Meeting_Date, Start_Time)
```

```
VALUES (10, 19, 20, 110, 8, TO_DATE('2023-10-17', 'YYYY-MM-DD'), 9);
```

-- Meeting 11

```
INSERT INTO Meeting (Meeting_ID, First_Employee_ID, Second_Employee_ID, Room_Number,  
Floor_Number, Meeting_Date, Start_Time)
```

```
VALUES (11, 21, 22, 111, 9, TO_DATE('2023-10-18', 'YYYY-MM-DD'), 14);
```

-- Meeting 12

```
INSERT INTO Meeting (Meeting_ID, First_Employee_ID, Second_Employee_ID, Room_Number,  
Floor_Number, Meeting_Date, Start_Time)
```

```
VALUES (12, 23, 24, 112, 10, TO_DATE('2023-10-19', 'YYYY-MM-DD'), 17);
```

-- Meeting 13

```
INSERT INTO Meeting (Meeting_ID, First_Employee_ID, Second_Employee_ID, Room_Number,  
Floor_Number, Meeting_Date, Start_Time)
```

```
VALUES (13, 1, 3, 113, 5, TO_DATE('2023-10-20', 'YYYY-MM-DD'), 11);
```

-- Meeting 14

```
INSERT INTO Meeting (Meeting_ID, First_Employee_ID, Second_Employee_ID, Room_Number,  
Floor_Number, Meeting_Date, Start_Time)
```

```
VALUES (14, 5, 7, 114, 6, TO_DATE('2023-10-21', 'YYYY-MM-DD'), 12);
```

-- Meeting 15

```
INSERT INTO Meeting (Meeting_ID, First_Employee_ID, Second_Employee_ID, Room_Number,  
Floor_Number, Meeting_Date, Start_Time)
```

```
VALUES (15, 9, 11, 115, 7, TO_DATE('2023-10-22', 'YYYY-MM-DD'), 16);
```

-- Scan 1

```
INSERT INTO Scan (Scan_ID, Scan_Date, Scan_Time, Employee_ID, Temperature)
```

```
VALUES (1, TO_DATE('2023-10-08', 'YYYY-MM-DD'), 8, 1, 98.6);
```

```
-- Scan 2
```

```
INSERT INTO Scan (Scan_ID, Scan_Date, Scan_Time, Employee_ID, Temperature)
```

```
VALUES (2, TO_DATE('2023-10-09', 'YYYY-MM-DD'), 9, 2, 99.0);
```

```
-- Scan 3
```

```
INSERT INTO Scan (Scan_ID, Scan_Date, Scan_Time, Employee_ID, Temperature)
```

```
VALUES (3, TO_DATE('2023-10-10', 'YYYY-MM-DD'), 10, 3, 98.2);
```

```
-- Scan 4
```

```
INSERT INTO Scan (Scan_ID, Scan_Date, Scan_Time, Employee_ID, Temperature)
```

```
VALUES (4, TO_DATE('2023-10-11', 'YYYY-MM-DD'), 11, 4, 98.9);
```

```
-- Scan 5
```

```
INSERT INTO Scan (Scan_ID, Scan_Date, Scan_Time, Employee_ID, Temperature)
```

```
VALUES (5, TO_DATE('2023-10-12', 'YYYY-MM-DD'), 12, 5, 99.5);
```

```
-- Scan 6
```

```
INSERT INTO Scan (Scan_ID, Scan_Date, Scan_Time, Employee_ID, Temperature)
```

```
VALUES (6, TO_DATE('2023-10-13', 'YYYY-MM-DD'), 13, 6, 98.4);
```

```
-- Scan 7
```

```
INSERT INTO Scan (Scan_ID, Scan_Date, Scan_Time, Employee_ID, Temperature)
```

```
VALUES (7, TO_DATE('2023-10-14', 'YYYY-MM-DD'), 14, 7, 99.2);
```

```
-- Scan 8
```

```
INSERT INTO Scan (Scan_ID, Scan_Date, Scan_Time, Employee_ID, Temperature)
```

```
VALUES (8, TO_DATE('2023-10-15', 'YYYY-MM-DD'), 15, 8, 98.8);
```

```
-- Scan 9
```



```
INSERT INTO Scan (Scan_ID, Scan_Date, Scan_Time, Employee_ID, Temperature)
VALUES (9, TO_DATE('2023-10-16', 'YYYY-MM-DD'), 16, 9, 99.1);
```

-- Scan 10

```
INSERT INTO Scan (Scan_ID, Scan_Date, Scan_Time, Employee_ID, Temperature)
VALUES (10, TO_DATE('2023-10-17', 'YYYY-MM-DD'), 17, 10, 98.7);
```

-- Symptom 1

```
INSERT INTO Symptom (Row_ID, Employee_ID, Reported_Date, Symptom_ID)
VALUES (1, 1, TO_DATE('2023-10-08', 'YYYY-MM-DD'), 1);
```

-- Symptom 2

```
INSERT INTO Symptom (Row_ID, Employee_ID, Reported_Date, Symptom_ID)
VALUES (2, 1, TO_DATE('2023-10-09', 'YYYY-MM-DD'), 3);
```

-- Symptom 3

```
INSERT INTO Symptom (Row_ID, Employee_ID, Reported_Date, Symptom_ID)
VALUES (3, 1, TO_DATE('2023-10-10', 'YYYY-MM-DD'), 2);
```

-- Symptom 4

```
INSERT INTO Symptom (Row_ID, Employee_ID, Reported_Date, Symptom_ID)
VALUES (4, 2, TO_DATE('2023-10-11', 'YYYY-MM-DD'), 3);
```

-- Symptom 5

```
INSERT INTO Symptom (Row_ID, Employee_ID, Reported_Date, Symptom_ID)
VALUES (5, 2, TO_DATE('2023-10-12', 'YYYY-MM-DD'), 1);
```

-- Symptom 6

```
INSERT INTO Symptom (Row_ID, Employee_ID, Reported_Date, Symptom_ID)
VALUES (6, 2, TO_DATE('2023-10-13', 'YYYY-MM-DD'), 5);
```

-- Symptom 7

```
INSERT INTO Symptom (Row_ID, Employee_ID, Reported_Date, Symptom_ID)
VALUES (7, 3, TO_DATE('2023-10-14', 'YYYY-MM-DD'), 4);
```

-- Symptom 8

```
INSERT INTO Symptom (Row_ID, Employee_ID, Reported_Date, Symptom_ID)
VALUES (8, 3, TO_DATE('2023-10-15', 'YYYY-MM-DD'), 4);
```

-- Symptom 9

```
INSERT INTO Symptom (Row_ID, Employee_ID, Reported_Date, Symptom_ID)
VALUES (9, 3, TO_DATE('2023-10-16', 'YYYY-MM-DD'), 3);
```

-- Symptom 10

```
INSERT INTO Symptom (Row_ID, Employee_ID, Reported_Date, Symptom_ID)
VALUES (10, 4, TO_DATE('2023-10-17', 'YYYY-MM-DD'), 4);
```

-- Symptom 11

```
INSERT INTO Symptom (Row_ID, Employee_ID, Reported_Date, Symptom_ID)
VALUES (11, 5, TO_DATE('2023-10-18', 'YYYY-MM-DD'), 3);
```

-- Test 1

```
INSERT INTO Test (Test_ID, Location, Test_Date, Test_Time, Employee_ID, Row_ID, Scan_ID,
Test_Result)
VALUES (1, 'Location A', TO_DATE('2023-10-08', 'YYYY-MM-DD'), 8, 1, 1, NULL, 'positive');
```

-- Test 2

```
INSERT INTO Test (Test_ID, Location, Test_Date, Test_Time, Employee_ID, Row_ID, Scan_ID,
Test_Result)
VALUES (2, 'Location B', TO_DATE('2023-10-08', 'YYYY-MM-DD'), 9, 2, NULL, 2, 'negative');
```

-- Test 3

```
INSERT INTO Test (Test_ID, Location, Test_Date, Test_Time, Employee_ID, Row_ID, Scan_ID,
Test_Result)
```

```
VALUES (3, 'Location C', TO_DATE('2023-10-08', 'YYYY-MM-DD'), 10, 3, 3, NULL, 'positive');
```

```
-- Test 4
```

```
INSERT INTO Test (Test_ID, Location, Test_Date, Test_Time, Employee_ID, Row_ID, Scan_ID,
Test_Result)
```

```
VALUES (4, 'Location D', TO_DATE('2023-10-08', 'YYYY-MM-DD'), 11, 4, NULL, 4, 'negative');
```

```
-- Test 5
```

```
INSERT INTO Test (Test_ID, Location, Test_Date, Test_Time, Employee_ID, Row_ID, Scan_ID,
Test_Result)
```

```
VALUES (5, 'Location E', TO_DATE('2023-10-09', 'YYYY-MM-DD'), 12, 5, NULL, 5, 'positive');
```

```
-- Test 6
```

```
INSERT INTO Test (Test_ID, Location, Test_Date, Test_Time, Employee_ID, Row_ID, Scan_ID,
Test_Result)
```

```
VALUES (6, 'Location F', TO_DATE('2023-10-09', 'YYYY-MM-DD'), 13, 6, NULL, 6, 'negative');
```

```
-- Test 7
```

```
INSERT INTO Test (Test_ID, Location, Test_Date, Test_Time, Employee_ID, Row_ID, Scan_ID,
Test_Result)
```

```
VALUES (7, 'Location G', TO_DATE('2023-10-09', 'YYYY-MM-DD'), 14, 7, NULL, 7, 'positive');
```

```
-- Test 8
```

```
INSERT INTO Test (Test_ID, Location, Test_Date, Test_Time, Employee_ID, Row_ID, Scan_ID,
Test_Result)
```

```
VALUES (8, 'Location H', TO_DATE('2023-10-09', 'YYYY-MM-DD'), 15, 8, NULL, 8, 'negative');
```

```
-- Test 9
```

```
INSERT INTO Test (Test_ID, Location, Test_Date, Test_Time, Employee_ID, Row_ID, Scan_ID,
Test_Result)
```

```
VALUES (9, 'Location I', TO_DATE('2023-10-09', 'YYYY-MM-DD'), 16, 9, NULL, NULL, 'positive');
```

-- Test 10

```
INSERT INTO Test (Test_ID, Location, Test_Date, Test_Time, Employee_ID, Row_ID, Scan_ID,  
Test_Result)
```

```
VALUES (10, 'Location J', TO_DATE('2023-10-10', 'YYYY-MM-DD'), 17, 10, NULL, 10, 'negative');
```

-- Test 11

```
INSERT INTO Test (Test_ID, Location, Test_Date, Test_Time, Employee_ID, Row_ID, Scan_ID,  
Test_Result)
```

```
VALUES (11, 'Location A', TO_DATE('2023-10-10', 'YYYY-MM-DD'), 18, 11, NULL, NULL, 'positive');
```

-- Test 12

```
INSERT INTO Test (Test_ID, Location, Test_Date, Test_Time, Employee_ID, Row_ID, Scan_ID,  
Test_Result)
```

```
VALUES (12, 'Location B', TO_DATE('2023-10-10', 'YYYY-MM-DD'), 19, 12, NULL, NULL, 'negative');
```

-- Test 13

```
INSERT INTO Test (Test_ID, Location, Test_Date, Test_Time, Employee_ID, Row_ID, Scan_ID,  
Test_Result)
```

```
VALUES (13, 'Location A', TO_DATE('2023-10-11', 'YYYY-MM-DD'), 20, 13, NULL, NULL, 'positive');
```

-- Test 14

```
INSERT INTO Test (Test_ID, Location, Test_Date, Test_Time, Employee_ID, Row_ID, Scan_ID,  
Test_Result)
```

```
VALUES (14, 'Location C', TO_DATE('2023-10-11', 'YYYY-MM-DD'), 21, 14, NULL, NULL, 'negative');
```

-- Test 15

```
INSERT INTO Test (Test_ID, Location, Test_Date, Test_Time, Employee_ID, Row_ID, Scan_ID,  
Test_Result)
```

```
VALUES (15, 'Location D', TO_DATE('2023-10-12', 'YYYY-MM-DD'), 22, 15, NULL, NULL, 'positive');
```

-- Notification 1

```
INSERT INTO Notification (Notification_ID, Employee_ID, Meeting_ID, Test_ID, Notification_Date,  
Notification_Type)
```

```
VALUES (1, 1, 1, 1, TO_DATE('2023-10-08', 'YYYY-MM-DD'), 'optional');
```

```
-- Notification 2
```

```
INSERT INTO Notification (Notification_ID, Employee_ID, Meeting_ID, Test_ID, Notification_Date,  
Notification_Type)
```

```
VALUES (2, 2, 2, NULL, TO_DATE('2023-10-09', 'YYYY-MM-DD'), 'mandatory');
```

```
-- Notification 3
```

```
INSERT INTO Notification (Notification_ID, Employee_ID, Meeting_ID, Test_ID, Notification_Date,  
Notification_Type)
```

```
VALUES (3, 3, 3, 3, TO_DATE('2023-10-10', 'YYYY-MM-DD'), 'optional');
```

```
-- Notification 4
```

```
INSERT INTO Notification (Notification_ID, Employee_ID, Meeting_ID, Test_ID, Notification_Date,  
Notification_Type)
```

```
VALUES (4, 4, 4, NULL, TO_DATE('2023-10-11', 'YYYY-MM-DD'), 'mandatory');
```

```
-- Notification 5
```

```
INSERT INTO Notification (Notification_ID, Employee_ID, Meeting_ID, Test_ID, Notification_Date,  
Notification_Type)
```

```
VALUES (5, 5, 5, 5, TO_DATE('2023-10-12', 'YYYY-MM-DD'), 'optional');
```

```
-- Case Record 1
```

```
INSERT INTO Case_Record (Case_ID, Case_Date, Test_ID, Employee_ID, Resolution)
```

```
VALUES (1, TO_DATE('2023-10-08', 'YYYY-MM-DD'), 1, 1, 'in quarantine');
```

```
-- Case Record 2
```

```
INSERT INTO Case_Record (Case_ID, Case_Date, Test_ID, Employee_ID, Resolution)
```

```
VALUES (2, TO_DATE('2023-10-08', 'YYYY-MM-DD'), 3, 3, 'back to work');
```

```
-- Case Record 3
```

```
INSERT INTO Case_Record (Case_ID, Case_Date, Test_ID, Employee_ID, Resolution)
```

```
VALUES (3, TO_DATE('2023-10-09', 'YYYY-MM-DD'), 5, 5, 'deceased');
```

```
-- Case Record 4
```

```
INSERT INTO Case_Record (Case_ID, Case_Date, Test_ID, Employee_ID, Resolution)
```

```
VALUES (4, TO_DATE('2023-10-09', 'YYYY-MM-DD'), 7, 7, 'left the company');
```

```
-- Case Record 5
```

```
INSERT INTO Case_Record (Case_ID, Case_Date, Test_ID, Employee_ID, Resolution)
```

```
VALUES (5, TO_DATE('2023-10-16', 'YYYY-MM-DD'), 9, 9, 'back to work');
```

```
-- Case Record 6
```

```
INSERT INTO Case_Record (Case_ID, Case_Date, Test_ID, Employee_ID, Resolution)
```

```
VALUES (6, TO_DATE('2023-10-18', 'YYYY-MM-DD'), 11, 11, 'in quarantine');
```

```
-- Case Record 7
```

```
INSERT INTO Case_Record (Case_ID, Case_Date, Test_ID, Employee_ID, Resolution)
```

```
VALUES (7, TO_DATE('2023-10-20', 'YYYY-MM-DD'), 13, 13, 'back to work');
```

```
-- Case Record 8
```

```
INSERT INTO Case_Record (Case_ID, Case_Date, Test_ID, Employee_ID, Resolution)
```

```
VALUES (8, TO_DATE('2023-10-22', 'YYYY-MM-DD'), 15, 15, 'deceased');
```

```
-- Health Status 1 (For Case_ID = 1)
```

```
INSERT INTO Health_Status (Status_ID, Case_ID, Health_Reported_Date, Employee_ID, Status)
```

```
VALUES (1, 1, TO_DATE('2023-10-09', 'YYYY-MM-DD'), 1, 'sick');
```

```
-- Health Status 2 (For Case_ID = 2)
```

```
INSERT INTO Health_Status (Status_ID, Case_ID, Health_Reported_Date, Employee_ID, Status)
```

```
VALUES (2, 1, TO_DATE('2023-10-10', 'YYYY-MM-DD'), 1, 'sick');
```

```
-- Health Status 3 (For Case_ID = 5)
```

```
INSERT INTO Health_Status (Status_ID, Case_ID, Health_Reported_Date, Employee_ID, Status)
VALUES (3, 1, TO_DATE('2023-10-11', 'YYYY-MM-DD'), 1, 'sick');
```

```
-- Health Status 4 (For Case_ID = 6)
```

```
INSERT INTO Health_Status (Status_ID, Case_ID, Health_Reported_Date, Employee_ID, Status)
VALUES (4, 2, TO_DATE('2023-10-16', 'YYYY-MM-DD'), 3, 'sick');
```

```
-- Health Status 5 (For Case_ID = 7)
```

```
INSERT INTO Health_Status (Status_ID, Case_ID, Health_Reported_Date, Employee_ID, Status)
VALUES (5, 5, TO_DATE('2023-10-17', 'YYYY-MM-DD'), 9, 'well');
```

```
-- Health Status 6 (For Case_ID = 7)
```

```
INSERT INTO Health_Status (Status_ID, Case_ID, Health_Reported_Date, Employee_ID, Status)
VALUES (6, 6, TO_DATE('2023-10-19', 'YYYY-MM-DD'), 11, 'sick');
```

```
-- Health Status 7(For Case_ID = 7)
```

```
INSERT INTO Health_Status (Status_ID, Case_ID, Health_Reported_Date, Employee_ID, Status)
VALUES (7, 6, TO_DATE('2023-10-20', 'YYYY-MM-DD'), 11, 'sick');
```

```
-- Health Status 8(For Case_ID = 7)
```

```
INSERT INTO Health_Status (Status_ID, Case_ID, Health_Reported_Date, Employee_ID, Status)
VALUES (8, 6, TO_DATE('2023-10-21', 'YYYY-MM-DD'), 11, 'Hospitalized');
```

Q2