```sql
CREATE DATABASE guvi_zen_task;

use guvi_zen_task;



CREATE TABLE Users (
    user_id INT PRIMARY KEY,
    name VARCHAR(50),
    email VARCHAR(100),
    phone VARCHAR(15),
    joined_date DATE
);



CREATE TABLE CodeKata (
    user_id INT,
    problems_solved INT,
    FOREIGN KEY (user_id) REFERENCES Users(user_id)
);



CREATE TABLE Attendance (
    attendance_id INT PRIMARY KEY,
    user_id INT,
    date DATE,
    status ENUM('Present', 'Absent'),
    FOREIGN KEY (user_id) REFERENCES Users(user_id)
);



CREATE TABLE Topics (
    topic_id INT PRIMARY KEY,
    name VARCHAR(100),
    date_covered DATE
);



CREATE TABLE Tasks (
```

```sql
    task_id INT PRIMARY KEY,
    topic_id INT,
    user_id INT,
    submission_date DATE,
    status ENUM('Submitted', 'Not Submitted'),
    FOREIGN KEY (topic_id) REFERENCES Topics(topic_id),
    FOREIGN KEY (user_id) REFERENCES Users(user_id)
);




CREATE TABLE CompanyDrives (
    drive_id INT PRIMARY KEY,
    company_name VARCHAR(100),
    drive_date DATE
);




CREATE TABLE Mentors (
    mentor_id INT PRIMARY KEY,
    name VARCHAR(50)
);




CREATE TABLE Mentees (
    mentor_id INT,
    user_id INT,
    FOREIGN KEY (mentor_id) REFERENCES Mentors(mentor_id),
    FOREIGN KEY (user_id) REFERENCES Users(user_id)
);




-- Users
INSERT INTO Users (user_id, name, email, phone, joined_date)
VALUES (1, 'Alice', 'alice@example.com', '1234567890', '2020-08-01'),
       (2, 'Bob', 'bob@example.com', '1234567891', '2020-09-01'),
       (3, 'Charlie', 'charlie@example.com', '1234567892', '2020-09-15');

       SELECT * FROM USERS;
```

```sql
-- CodeKata
INSERT INTO CodeKata (user_id, problems_solved)
VALUES (1, 120), (2, 85), (3, 150);

SELECT * FROM CODEKATA;




-- Attendance

INSERT INTO Attendance (attendance_id, user_id, date, status)
VALUES (1, 1, '2020-10-16', 'Present'),
       (2, 2, '2020-10-16', 'Absent'),
       (3, 3, '2020-10-20', 'Present'),
       (4, 1, '2020-10-20', 'Absent'),
       (5, 2, '2020-10-25', 'Absent');

       SELECT * FROM ATTENDANCE;




-- Topics
INSERT INTO Topics (topic_id, name, date_covered)
VALUES (1, 'SQL Basics', '2020-10-05'),
       (2, 'HTML & CSS', '2020-10-10'),
       (3, 'JavaScript', '2020-10-15'),
       (4, 'Python Intro', '2020-10-20');

       SELECT * FROM TOPICS;




-- Tasks
INSERT INTO Tasks (task_id, topic_id, user_id, submission_date, status)
VALUES (1, 1, 1, '2020-10-06', 'Submitted'),
       (2, 2, 1, '2020-10-11', 'Not Submitted'),
       (3, 3, 2, '2020-10-16', 'Submitted'),
       (4, 4, 3, '2020-10-21', 'Not Submitted');

       SELECT * FROM TASKS;




-- Company Drives
```

```sql
INSERT INTO CompanyDrives (drive_id, company_name, drive_date)
VALUES (1, 'Google', '2020-10-16'),
       (2, 'Amazon', '2020-10-20'),
       (3, 'Facebook', '2020-10-25');

       SELECT * FROM COMPANY_DRIVES;




-- Mentors
INSERT INTO Mentors (mentor_id, name)
VALUES (1, 'Emily Green'), (2, 'Mark Johnson');

SELECT * FROM MENTORS;




-- Mentees
INSERT INTO Mentees (mentor_id, user_id)
VALUES (1, 1), (1, 2), (2, 3);

SELECT * FROM MENTEES;




SELECT Topics.name AS Topic, Tasks.task_id AS Task
FROM Topics
LEFT JOIN Tasks ON Topics.topic_id = Tasks.topic_id
WHERE MONTH(Topics.date_covered) = 10;




SELECT * FROM CompanyDrives
WHERE drive_date BETWEEN '2020-10-15' AND '2020-10-31';




SELECT CompanyDrives.company_name, Users.name AS Student
FROM CompanyDrives
INNER JOIN Attendance ON Attendance.date = CompanyDrives.drive_date AND
Attendance.status = 'Present'
INNER JOIN Users ON Users.user_id = Attendance.user_id;
```

```sql
SELECT Users.name, CodeKata.problems_solved
FROM Users
INNER JOIN CodeKata ON Users.user_id = CodeKata.user_id;
```

```sql
SELECT Mentors.name, COUNT(Mentees.user_id) AS Mentee_Count
FROM Mentors
INNER JOIN Mentees ON Mentors.mentor_id = Mentees.mentor_id
GROUP BY Mentors.mentor_id
HAVING Mentee_Count > 15;
```

```sql
SELECT COUNT(DISTINCT Users.user_id) AS Absent_NoTask
FROM Users
INNER JOIN Attendance ON Users.user_id = Attendance.user_id
LEFT JOIN Tasks ON Users.user_id = Tasks.user_id
    AND Tasks.submission_date BETWEEN '2020-10-15' AND '2020-10-31'
WHERE Attendance.date BETWEEN '2020-10-15' AND '2020-10-31'
    AND Attendance.status = 'Absent'
    AND (Tasks.status IS NULL OR Tasks.status = 'Not Submitted');
```