**TABLE users {**

**id Number**

**name String**

**email String**

**password String**

**addressLine1 String**

**addressLine2 String**

**state String**

**city string**

**town string**

**pincode Number**

**mobileNumber Number**

**experience Number**

**aadharNumber Number**

**role String**

**batchId Number**

**geekCoins Number**

**createdAt timestamp**

**updatedAt timestamp**

**}**

**TABLE codekata {**

**id Number**

**name String**

**difficultyLevel String**

**decscription string**

**winnableCoins Number**

**category Number**

**testCases String**

**createdAt timestamp**

**updatedAt timestamp**

**}**

**TABLE submissions {**

**id Number**

**userId Number**

**taskId Number**

**marks Number**

**type String**

**createdAt timestamp**

**updatedAt timestamp**

**}**

**TABLE attendence {**

**id Number**

**studentId Number**

**sessionId Number**

**sessionType String**

**isPresent bool**

**isTaskSubmissionNeeded bool**

**isTaskSubmitted bool**

**createdDate timestamp**

**updatedDate timestamp**

**}**

**TABLE topics {**

**id Number**

**name String**

**scheduledDate timestamp**

**content String**

**preread string**

**sessionDetails string**

**taskDetails string**

**batchId Number**

**createdDate timestamp**

**updatedDate timestamp**

**}**

**TABLE feedback {**

**id Number**

**mentorId Number**

**topicId Number**

**sessionRating Number**

**mentorRating Number**

**sessionFeedback String**

**mentorFeedback String**

**}**

**TABLE drives {**

**id Number**

**companyName String**

**driveDate timestamp**

**createdDate timestamp**

**updatedDate timestamp**

**}**

**TABLE batches {**

**id Number**

**name String**

**courseType Number**

**batchType String**

**lanuage String**

**batchStartTime timestamp**

**batchEndTime timestamp**

**mentors Array**

**coordinatorId Number**

**createdAt timestamp**

**updatedAt timestamp**

**}**

**Ref: "batches"."createdAt" < "batches"."lanuage"**

**1.Find all the topics and tasks which are taught in the month of October:**

**SELECT \***

**FROM topics**

**WHERE EXTRACT(MONTH FROM scheduledDate) = 10;**

**2.Find all the company drives which appeared between 15th October 2020 and 31st October 2020:**

**SELECT \***

**FROM drives**

**WHERE driveDate BETWEEN '2020-10-15' AND '2020-10-31';**

**3.Find all the company drives and students who appeared for the placement:**

**SELECT drives.\*, submissions.userId**

**FROM drives**

**JOIN submissions ON drives.id = submissions.taskId;**

**4.Find the number of problems solved by the user in codekata:**

**SELECT userId, COUNT(\*) AS problemsSolved**

**FROM submissions**

**GROUP BY userId;**

**5.Find all the mentors who have mentees count more than 15:**

**SELECT mentorId, COUNT(\*) AS menteesCount**

**FROM feedback**

**GROUP BY mentorId**

**HAVING COUNT(\*) > 15;**

**6.Find the number of users who are absent and tasks are not submitted between 15th October 2020 and 31st October 2020:**

**SELECT COUNT(\*) AS usersCount**

**FROM users**

**WHERE id NOT IN (**

**SELECT studentId**

**FROM attendance**

**WHERE isPresent = false AND isTaskSubmitted = false AND createdDate BETWEEN '2020-10-15' AND '2020-10-31'**

**);**