DESIGN DB MODEL FOR GUVI ZEN CLASS

use guvi_zen;

-- Users

CREATE TABLE users (

      userid INTEGER AUTO_INCREMENT PRIMARY KEY,

      username VARCHAR(100),

      useremail VARCHAR(100),

      batchid INTEGER

);

INSERT INTO users(username, useremail, batchid) VALUES

   ("Durai", "durai@gmail.com", 50),

   ("Aravindh", "aravindh@gmail.com", 09),

   ("Raj", "raj@gmail.com", 60),

   ("Elango", "elango@gmail.com", 51);

-- Codekata

```sql
CREATE TABLE codekata (

        userid INTEGER,

        number_of_problems_solved INTEGER,

        FOREIGN KEY (userid) REFERENCES users(userid)

);


INSERT INTO codekata(userid, number_of_problems_solved) VALUES

        (1, 98),

        (2, 99),

        (3, 98),

        (4, 95);
```

-- Company drives

```sql
CREATE TABLE company_drives (

        driveid INTEGER AUTO_INCREMENT PRIMARY KEY,

        userid INTEGER,

        drive_date DATE,

        company VARCHAR(100),

        FOREIGN KEY (userid) REFERENCES users(userid)

);
```

```sql
INSERT INTO company_drives(userid, drive_date, company) VALUES
        (2, "2024-01-05", "Apple"),
        (3, "2024-05-19", "Amazon"),
        (4, "2024-06-29", "Zomato"),
        (1, "2024-09-01", "Flipkart");
```

-- Mentors

```sql
CREATE TABLE mentors (
        mentorid INTEGER AUTO_INCREMENT PRIMARY KEY,
        mentorname VARCHAR(100),
        mentoremail VARCHAR(100)
);

INSERT INTO mentors(mentorname, mentoremail) VALUES
    ("Raveena", "raveena@gmail.com"),
    ("Suma", "suma@gmail.com"),
    ("Guna", "guna@gmail.com"),
    ("Sekar", "sekar@gmail.com");
```

-- Topics

```sql
CREATE TABLE topics (

        topicid INTEGER AUTO_INCREMENT PRIMARY KEY,

        topic VARCHAR(200),

        topic_date DATE,

        mentorid INTEGER,

        batchid INTEGER,

        FOREIGN KEY (mentorid) REFERENCES mentors(mentorid)

);


INSERT INTO topics(topic, topic_date, mentorid, batchid) VALUES

        ("HTML - Basics", "2020-04-01", 1, 50),

   ("NodeJS - Basics", "2020-06-03", 2, 09),

   ("JavaScript - Basics", "2020-07-05", 3, 60),

        ("React - Basics", "2020-08-06", 4, 51);
```

-- Tasks

```sql
CREATE TABLE tasks (

        taskid INTEGER AUTO_INCREMENT PRIMARY KEY,

        topicid INTEGER,
```

```sql
        task VARCHAR(1000),

        batchid INTEGER,

        FOREIGN KEY (topicid) REFERENCES topics(topicid)
);


INSERT INTO tasks(topicid, task, batchid) VALUES

        (1, "HTML Task", 50),

        (2, "Javascript Task", 09),

        (3, "React Task", 60),

        (4, "NodeJs Task", 51);
```

-- Attendance

```sql
CREATE TABLE attendance (

        attendanceid INTEGER AUTO_INCREMENT PRIMARY KEY,

        userid INTEGER,

        topicsid INTEGER,

        attended BOOLEAN,

        FOREIGN KEY (userid) REFERENCES users(userid),

        FOREIGN KEY (topicsid) REFERENCES topics(topicid)
```

);

INSERT INTO attendance(userid, topicsid, attended) VALUES

    (2, 3, true),

    (4, 1, true),

    (1, 2, false),

    (3, 4, true);

-- Queries

```sql
CREATE TABLE queries (

    queryid INTEGER AUTO_INCREMENT PRIMARY KEY,

    userid INTEGER,

    querybody VARCHAR(1000),

    mentorid INTEGER,

    FOREIGN KEY (userid) REFERENCES users(userid),

    FOREIGN KEY (mentorid) REFERENCES mentors(mentorid)
);
```

INSERT INTO queries(userid, querybody, mentorid) VALUES

    (1, "query about HTML", 1),

    (3, "query about Javascript",3),

(2, "query about React", 4),

(4, "query about DS", 2);

EER DIAGRAM