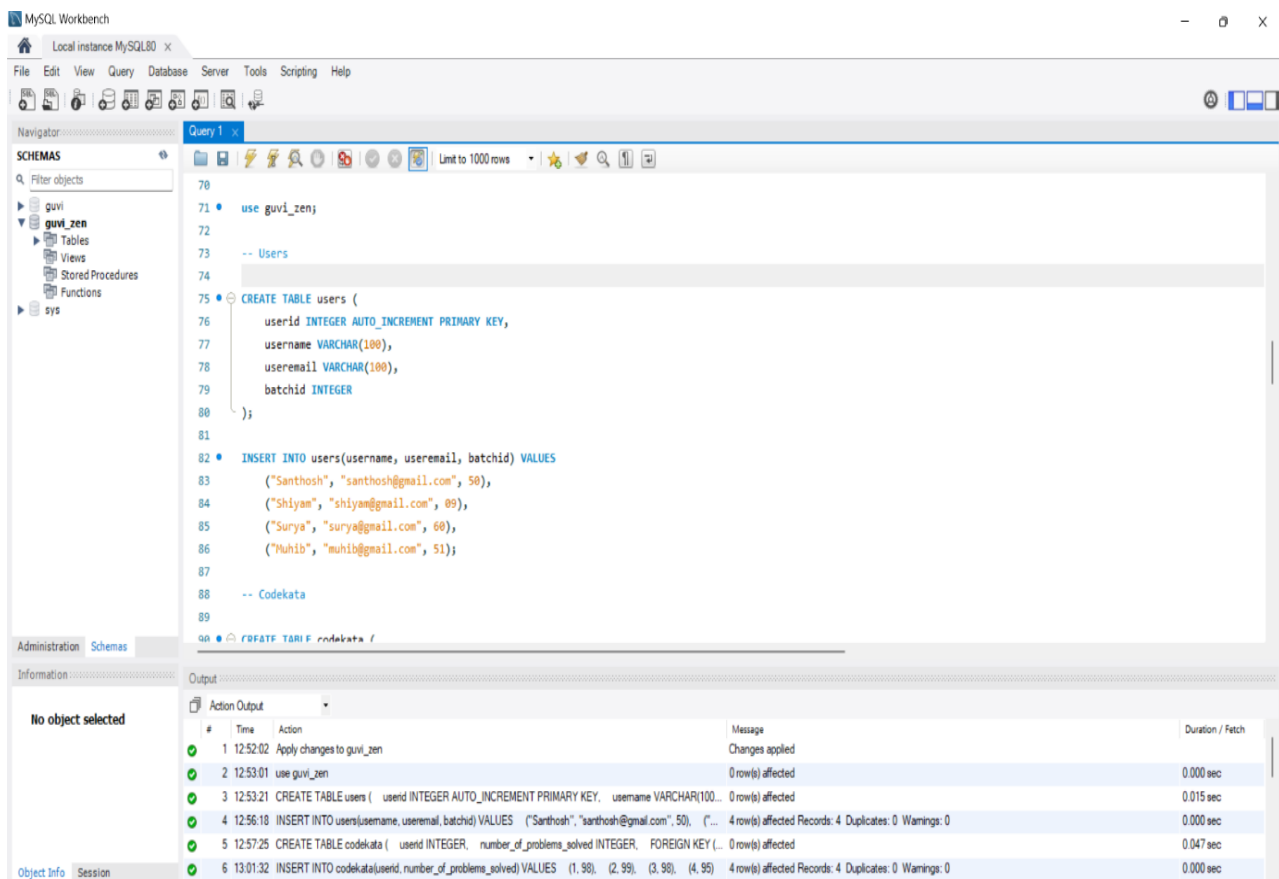# DESIGN DB MODEL FOR GUVI ZEN CLASS

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
("Muhib", "muhib@gmail.com", 51),
("Santhosh", "santhosh@gmail.com", 50),
("Shiyam", "shiyam@gmail.com", 09),
("Surya", "surya@gmail.com", 60);
```

Codekata

```
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

```
CREATE TABLE company_drives (
    driveid INTEGER AUTO_INCREMENT PRIMARY KEY,
    userid INTEGER,
    drive_date DATE,
    company VARCHAR(100),
    FOREIGN KEY (userid) REFERENCES users(userid)
```

```
);

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

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

INSERT INTO mentors(mentorname, mentoremail) VALUES
    ("SuryaKumar", "suryakumar@gmail.com"),
    ("Vijay", "Vijay@gmail.com"),
    ("Shaikh", "shaikh@gmail.com"),
    ("prabha", "prabha@gmail.com");
```

Topics

```
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

```
CREATE TABLE tasks (
    taskid INTEGER AUTO_INCREMENT PRIMARY KEY,
    topicid INTEGER,
    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

```
CREATE TABLE attendance (
```

```sql
    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);
```

topics
- topicid INT
- topic VARCHAR(200)
- topic_date DATE
- mentorid INT
- batchid INT
- Indexes

mentors
- mentorid INT
- mentorname VARCHAR(100)
- mentoremail VARCHAR(100)
- Indexes

company_drives
- driveid INT
- userid INT
- drive_date DATE
- company VARCHAR(100)
- Indexes

tasks
- taskid INT
- topicid INT
- task VARCHAR(1000)
- batchid INT
- Indexes

users
- userid INT
- username VARCHAR(100)
- useremail VARCHAR(100)
- batchid INT
- Indexes

queries
- queryid INT
- userid INT
- querybody VARCHAR(1000)
- mentorid INT
- Indexes

attendance
- attendanceid INT
- userid INT
- topicsid INT
- attended TINYINT(1)
- Indexes

codekata
- userid INT
- number_of_problems_solved INT
- Indexes