**MYSQL TASK 2**

***TO VIEW ALL THE DATABASES:***

**SHOW DATABASES;**

***TO CREATE A DATABASE:***

**CREATE DATABASE Guvi\_Zen\_class;**

***TO USE A SPECIFIC DATABASE:***

**USE Guvi\_Zen\_class;**

***TO CREATE A TABLE CALLED Users:***

**CREATE TABLE Users(user\_id INT PRIMARY KEY,username VARCHAR(255),email VARCHAR(255), phone\_number INT, password VARCHAR(50));**

***TO CREATE A TABLE CALLED Students:***

**CREATE TABLE Students(student\_id INT PRIMARY KEY,user\_id INT,full\_name VARCHAR(255),address VARCHAR(255),phone\_number VARCHAR(10),qualification TEXT,work\_experience TEXT,FOREIGN KEY (user\_id) REFERENCES Users (user\_id));**

***TO CREATE A TABLE CALLED Mentors:***

**CREATE TABLE Mentors(mentor\_id INT PRIMARY KEY,user\_id INT,full\_name VARCHAR(255),address VARCHAR(255),phone\_number VARCHAR(10),qualification TEXT,work\_experience TEXT,FOREIGN KEY (user\_id) REFERENCES Users (user\_id));**

***TO CREATE A TABLE CALLED Topics:***

**CREATE TABLE Topics(topic\_id INT PRIMARY KEY,topic\_name VARCHAR(255),topic\_description TEXT,sessions INT,mentor\_id INT,FOREIGN KEY (mentor\_id) REFERENCES Mentors (mentor\_id));**

***TO CREATE A TABLE CALLED Tasks:***

**CREATE TABLE Tasks(task\_id INT PRIMARY KEY,topic\_id INT,task\_name VARCHAR(255),task\_description TEXT,task\_deadline DATE,FOREIGN KEY (topic\_id) REFERENCES Topics (topic\_id));**

***TO CREATE A TABLE CALLED Attendance:***

**CREATE TABLE Attendance(attendance\_id INT PRIMARY KEY,user\_id INT,topic\_id INT,session\_date DATE,attendance\_status VARCHAR(255),FOREIGN KEY (topic\_id) REFERENCES Topics (topic\_id),FOREIGN KEY (user\_id) REFERENCES Users (user\_id));**

***TO VIEW ALL THE TABLES:***

**SHOW TABLES;**

|  |
| --- |
| # Tables\_in\_guvi\_zen\_class |
| attendance |
| mentors |
| students |
| tasks |
| topics |
| users |

***EER DIAGRAM OF Guvi\_Zen\_class DATABASE:***

