

Design DB model for Guvi Zen class

-- Create

```
CREATE TABLE MENTOR (  
    Mentor_Id INTEGER AUTO_INCREMENT PRIMARY KEY,  
    Mentor_Name VARCHAR(255),  
    Email VARCHAR(255),  
    Mobile_Number VARCHAR(255)  
);
```

```
CREATE TABLE BATCH (  
    Batch_Id INTEGER AUTO_INCREMENT PRIMARY KEY,  
    Batch_Name VARCHAR(255),  
    Total_Student INTEGER,  
    Mentor_Id INTEGER,  
    FOREIGN KEY (Mentor_Id) REFERENCES MENTOR(Mentor_Id)  
);
```

```
CREATE TABLE STUDENTS (  
    Student_Id INTEGER AUTO_INCREMENT PRIMARY KEY,  
    Student_Name VARCHAR(255),  
    Mobile_Number VARCHAR(255),  
    Email VARCHAR(255),  
    Mentor_Name VARCHAR(255),  
    Batch_Id INTEGER,  
    Batch_Name VARCHAR(255),  
    FOREIGN KEY (Batch_Id) REFERENCES BATCH(Batch_Id)  
);
```

```
CREATE TABLE TASK (  
    Task_Id INTEGER AUTO_INCREMENT PRIMARY KEY,  
    Task_Name VARCHAR(255),  
    Batch_Id INTEGER,  
    FOREIGN KEY (Batch_Id) REFERENCES BATCH(Batch_Id)  
);
```

```
Task_Id INTEGER AUTO_INCREMENT PRIMARY KEY,  
Task_Name VARCHAR(255),  
Student_Id INTEGER,  
Mentor_Id INTEGER,  
Mentor_Name VARCHAR(255),  
Batch_Name VARCHAR(255),  
FOREIGN KEY (Student_Id) REFERENCES STUDENTS(Student_Id),  
FOREIGN KEY (Mentor_Id) REFERENCES MENTOR(Mentor_Id)  
);
```

```
CREATE TABLE DASHBOARD (  
Dashboard_Id INTEGER AUTO_INCREMENT PRIMARY KEY,  
Student_Id INTEGER,  
Mentor_Id INTEGER,  
Batch_Id INTEGER,  
FOREIGN KEY (Student_Id) REFERENCES STUDENTS(Student_Id),  
FOREIGN KEY (Mentor_Id) REFERENCES MENTOR(Mentor_Id),  
FOREIGN KEY (Batch_Id) REFERENCES BATCH(Batch_Id)  
);
```

```
CREATE TABLE QUERY (  
Query_Id INTEGER AUTO_INCREMENT PRIMARY KEY,  
QueryText TEXT,  
Student_Id INTEGER,  
Batch_Id INTEGER,  
FOREIGN KEY (Student_Id) REFERENCES STUDENTS(Student_Id),  
FOREIGN KEY (Batch_Id) REFERENCES BATCH(Batch_Id)  
);
```

-- Insert

```
INSERT INTO MENTOR (Mentor_Name,Email, Mobile_Number)
```

```
VALUES ('Pugazh','pugazh1@gmail.com','9876543210'),  
      ('Sangeetha','sangeetha24@gmail.com', '9786345201'),  
      ('Swetha','swetha4@gmail.com', '9786689907');
```

```
INSERT INTO BATCH (Batch_Name, Total_Student, Mentor_Id)  
VALUES ('B52WD2', 18, 1),  
      ('B52WD4', 20, 2),  
      ('B53WD6', 16, 3);
```

```
INSERT INTO STUDENTS (Student_Name, Mobile_Number, Email, Mentor_Name, Batch_Id,  
Batch_Name)  
VALUES ('John', '7846783468', 'johndoe@gmail.com', 'Pugazh', 1, 'B52WD2'),  
      ('Josy', '9846766834', 'josy@gmail.com', 'Pugazh', 1, 'B52WD2'),  
      ('Atlas','9846766834', 'atlas@gmail.com', 'Sangeetha', 2, 'B52WD4'),  
      ('Hena','7806456788', 'hena@gmail.com', 'Swetha', 3, 'B52WD6');
```

```
INSERT INTO TASK (Task_Name, Student_Id, Mentor_Id, Mentor_Name, Batch_Name)  
VALUES ('Task 1', 1, 1, 'Pugazh', 'B52WD2'),  
      ('Task 2', 2, 1, 'Pugazh', 'B52WD2');
```

```
INSERT INTO DASHBOARD (Student_Id, Mentor_Id, Batch_Id)  
VALUES (1, 1, 1),  
      (2, 1, 1),  
      (3, 2, 2);
```

```
INSERT INTO QUERY (QueryText, Student_Id, Batch_Id)  
VALUES ('How to solve problem x,y,z?', 1, 1),  
      ('Could you please connect the Zoom call?', 2, 1),  
      ('How to do this task?', 3, 2);
```

-- Update

UPDATE STUDENTS

SET Mentor_Name = 'Swetha', Batch_Id = '3' , Batch_Name = 'B53WD6'

WHERE Student_Id = 2;

UPDATE MENTOR

SET Mobile_Number = "7845007421"

WHERE Mentor_Id = 1;

UPDATE BATCH

SET Total_Student = 19

WHERE Batch_Id = 1;

UPDATE QUERY

SET QueryText = 'How to solve problem (x+y+z)?'

WHERE Query_Id = 1;

-- Select

SELECT * FROM MENTOR;

SELECT * FROM BATCH;

SELECT * FROM STUDENTS;

SELECT * FROM TASK;

SELECT * FROM DASHBOARD;

SELECT * FROM QUERY;