**DB MODEL USING dbdiagram.io**

Table course {

  course\_id integer [primary key]

  course\_name string

}

Table batch {

  batch\_id integer [primary key]

  batch\_name string

  course\_id integer

}

Table attendance {

  attendance\_id integer [primary key]

  attendance\_name string

  student\_id integer

  session\_id integer

}

Table student {

  student\_id integer [primary key]

  student\_name string

  batch\_id integer

  course\_id integer

}

Table mentor {

  mentor\_id integer [primary key]

  mentor\_name string

  batch\_id integer

  course\_id integer

}

Table session {

  session\_id integer [primary key]

  session\_name string

  student\_id integer

  mentor\_id integer

  batch\_id integer

}

Table task {

  task\_id integerv [primary key]

  task\_name string

  student\_id integer

}

Table interview {

  interview\_id integer [primary key]

  interview\_name string

  student\_id integer

  leaderboard\_id integer

}

Table leaderboard {

  leaderboard\_id integer [primary key]

  student\_id integer

  task\_id integer

  attendance\_id integer

}

Ref: batch.course\_id > course.course\_id

Ref: student.course\_id > course.course\_id

Ref: student.batch\_id > batch.batch\_id

Ref: mentor.course\_id > course.course\_id

Ref: mentor.batch\_id > batch.batch\_id

Ref: session.student\_id > student.student\_id

Ref: session.mentor\_id > mentor.mentor\_id

Ref: session.batch\_id > batch.batch\_id

Ref: attendance.student\_id > student.student\_id

Ref: task.student\_id > student.student\_id

Ref: interview.student\_id > student.student\_id

Ref: leaderboard.student\_id > student.student\_id

Ref: leaderboard.task\_id > task.task\_id

Ref: leaderboard.attendance\_id > attendance.attendance\_id

Ref: interview.leaderboard\_id > leaderboard.leaderboard\_id

Ref: attendance.session\_id > session.session\_id

**DB MODEL USING MYSQL WORKBENCH**

CREATE DATABASE guvi\_zen;

use guvi\_zen;

* create TABLE course (course\_id INT PRIMARY KEY, course\_name varchar (500) );

desc course;

* create TABLE batch (batch\_id INT PRIMARY KEY, batch\_name varchar(50),course\_id INT,foreign key (course\_id) references course(course\_id));

desc batch;

* create table student (student\_id int primary key, student\_name varchar(50),course\_id INT,foreign key (course\_id) references course(course\_id), batch\_id int,foreign key (batch\_id) references batch(batch\_id));

desc student;

* create table mentor(mentor\_id int primary key, mentor\_name varchar(50),course\_id INT,foreign key (course\_id) references course(course\_id), batch\_id int,foreign key (batch\_id) references batch(batch\_id));

desc mentor;

* create table sessions(session\_id int primary key, session\_name varchar(50), batch\_id int,foreign key (batch\_id) references batch(batch\_id),student\_id int,foreign key (student\_id) references student(student\_id),mentor\_id int,foreign key (mentor\_id) references mentor(mentor\_id));

desc sessions;

* create table task(task\_id int primary key, task\_name varchar(50), student\_id int,foreign key (student\_id) references student(student\_id));

desc task;

* create table leaderboard(leaderboard\_id int primary key, student\_id int,foreign key (student\_id) references student(student\_id), task\_id int,foreign key (task\_id) references task(task\_id),attendance\_id int,foreign key (attendance\_id) references attendance(attendance\_id));

desc leaderboard;

* create table interview(interview\_id int primary key, interview\_name varchar(100), student\_id int,foreign key (student\_id) references student(student\_id),leaderboard\_id int,foreign key (leaderboard\_id) references leaderboard(leaderboard\_id));

desc leaderboard;



