

Approach:

1. Identify the entities -user -course -admission -codekata -mentor -studentsattendance -task -leaderboard

2. Identify the attributes

-user: userid, username, useremail, usermobile -course: course_id, course_name, course_duration, course_fees -admission: userid, course_id, admission_fees -codekata: userid -mentor: userid, course_id, mentor_name -studentsattendance: A_id, userid, A_date, status -task: userid, submittedtask, task_mark -leaderboard: userid, course_id, batch, submitted_task

3. Identify the primary keys -userid -course_id

4. Identity the foregin keys

-userid -course-id

5. Create the table

```
create table user(  
userid int ,  
username varchar(25),  
usermobile int (10)  
);  
  
create table course(  
course_id int ,  
userid int,  
course_name varchar(25),  
course_duration varchar(255),  
course_fees int,  
);  
  
create table admissions(  
userid int,  
course_id int,  
admission_fees int,  
);  
  
create table codekata(  
userid int,  
solved_problem varchar(25) ,  
);  
  
create table mentor(  
userid int,  
course_id int ,  
mentor_name varchar(25) ,  
);  
  
create table studentsAttendance(  

```

```
A_id int,  
userid int,  
A_date datetime default now(),  
status boolean default true,  
);
```

```
create table task(  
userid int,  
submitted_task varchar(25) ,  
task_mark int ,  
);
```

```
create table leaderboard(  
userid int,  
course_id int,  
batch varchar(25),  
submitted_task varchar(25) ,  
);
```

```
insert into user values  
(1, 'A', 1234)  
(2, 'B', 2344)  
(3, 'C', 3445)
```

```
insert into course values  
(4, 1, 'FSD', 'Three months', 20000)  
(5, 2, 'AI', 'Two months', 25000)  
(6, 3, 'Developer' 'Three months', 30000)
```

```
insert into admissions values  
(1, 4, 500)  
(2, 5, 400)  
(3, 6, 600)
```

```
insert into codekata values  
(1, 'yes')  
(2, 'no')  
(3, 'yes')
```

```
insert into mentor values  
(1, 4, 'E')
```

```
(2, 5, 'F')  
(3, 6, 'G')
```

```
insert into studentsAttendance values  
(9, 1, 10/02/2024)  
(8, 2, 12/03/2024)  
(7, 3, 30/04/2024)
```

```
insert into task values  
(1, 'task1', 10)  
(2, 'task2', 9)  
(3, 'task3', 8)
```

```
insert into leaderboard values  
(1, 4, 56, 'yes')  
(2, 5, 56, 'no')  
(3, 6, 56, 'yes')
```