

DB MODEL FOR ZEN CLASS

SQL QUERY:

```
CREATE TABLE mentors(  
  mentor_id INT PRIMARY KEY,  
  mentor_name VARCHAR(255));
```

```
CREATE TABLE batches(  
  batch_id INT PRIMARY KEY,  
  batch_name VARCHAR(255));
```

```
CREATE TABLE learner(  
  learner_id INT PRIMARY KEY,  
  learner_name VARCHAR(255),  
  mentor_id INT,  
  batch_id INT,  
  course_id INT,  
  task_id INT,
```

```
FOREIGN KEY(mentor_id)REFERENCES mentors(mentor_id),  
FOREIGN KEY(batch_id)REFERENCES batches(batch_id),  
FOREIGN KEY(course_id)REFERENCES course(course_id),  
FOREIGN KEY(task_id)REFERENCES tasks(task_id));
```

```
ALTER TABLE learner add COLUMN (mark_id INT);  
DESC learner;
```

```
CREATE TABLE marks(  
mark_id INT PRIMARY KEY,  
learner_id INT,  
FOREIGN KEY(learner_id) REFERENCES learner(learner_id),  
marks INT);  
desc marks;
```

```
CREATE TABLE course(  
course_id INT PRIMARY KEY,  
course_name VARCHAR(255));
```

```
CREATE TABLE tasks(  
task_id INT PRIMARY KEY,  
task_name VARCHAR(255),  
course_id INT,  
FOREIGN KEY(course_id)REFERENCES course(course_id));  
desc tasks;
```

```
ALTER TABLE marks ADD column (task_id INT);
```

```
ALTER TABLE marks  
ADD CONSTRAINT mark_constraint_name  
FOREIGN KEY (task_id)  
REFERENCES tasks(task_id);  
desc marks;
```

```
1 • CREATE TABLE mentors(  
2   mentor_id INT PRIMARY KEY,  
3   mentor_name VARCHAR(255));  
4  
5 • CREATE TABLE batches(  
6   batch_id INT PRIMARY KEY,  
7   batch_name VARCHAR(255));  
8  
9 • CREATE TABLE learner(  
10  learner_id INT PRIMARY KEY,  
11  learner_name VARCHAR(255),  
12  mentor_id INT,  
13  batch_id INT,  
14  course_id INT,  
15  task_id INT,  
16  FOREIGN KEY(mentor_id)REFERENCES mentors(mentor_id),  
17  FOREIGN KEY(batch_id)REFERENCES batches(batch_id),  
18  FOREIGN KEY(course_id)REFERENCES course(course_id),  
19  FOREIGN KEY(task_id)REFERENCES tasks(task_id));  
20  
21 • ALTER TABLE learner add COLUMN (mark_id INT);  
22 • DESC learner;  
23  
24 • CREATE TABLE marks(  
25  mark_id INT PRIMARY KEY,  
26  learner_id INT,  
27  FOREIGN KEY(learner_id) REFERENCES learner(learner_id),  
28  marks INT);  
29 • desc marks;  
30  
31 • CREATE TABLE course(  
32  course_id INT PRIMARY KEY,  
33  course_name VARCHAR(255));  
34  
35 • CREATE TABLE tasks(  
36  task_id INT PRIMARY KEY,  
37  task_name VARCHAR(255),  
38  course_id INT,  
39  FOREIGN KEY(course_id)REFERENCES course(course_id));  
40 • desc tasks;  
41  
42 • ALTER TABLE marks ADD column (task_id INT);  
43  
44 • ALTER TABLE marks  
45 ADD CONSTRAINT mark_constraint_name  
46 FOREIGN KEY (task_id)  
47 REFERENCES tasks(task_id);  
48 • desc marks;
```

