Question 1

1. Create tables for the above list given

Answer:

Use zen\_class\_db;

Create table user(id int auto\_increment primary key,name varchar(40) ,email varchar(40));

Create table attendance (id int auto\_increment primary key,date date,user int, foreign key(user) references user(id));

Create table course(id int auto\_increment primary key,course\_name varchar(40));

Create table codekata(id int auto\_increment primary key,no\_of\_problem int,user int,foreign key(user) references user(id));

Create table topics(id int auto\_increment primary key,topic\_name varchar(40));

Create table company\_drives(id int auto\_increment primary key,company\_name varchar(40),user int,foreign key(user) references user(id));

Create table tasks(id int auto\_increment primary key,task\_name varchar(40),user int,foreign key(user) references user(id));

Create table student\_course(id int auto\_increment primary key,courseId int,foreign key(courseId) references course(id),user int,foreign key(user) references user(id));

Create table mentors(id int auto\_increment primary key,name varchar(40),user int,foreign key(user) references user(id));

Question 2

1. Insert at least 5 rows of values in each table

Answer:

SELECT \* FROM zen\_class\_db.course;

Insert into course(course\_name) values(“Javascript”);

Insert into course(course\_name) values(“React”);

Insert into course(course\_name) values(“FullStack Developmet”);

Insert into course(course\_name) values(“Nodejs”);

Insert into course(course\_name) values(“Mongodb”);

SELECT \* FROM zen\_class\_db.mentors;

Insert into mentors(name,user) values(“mentor1”,1);

Insert into mentors(name,user) values(“mentor2”,2);

Insert into mentors(name,user) values(“mentor3”,3);

Insert into mentors(name,user) values(“mentor4”,4);

Insert into mentors(name,user) values(“mentor5”,5);

SELECT \* FROM zen\_class\_db.tasks;

Insert into tasks(task\_name,user) values(“Api”,1);

Insert into tasks(task\_name,user) values(“forms”,2);

Insert into tasks(task\_name,user) values(“callback”,2);

Insert into tasks(task\_name,user) values(“admin dashboard”,3);

Insert into tasks(task\_name,user) values(“price cart”,3);

Insert into tasks(task\_name,user) values(“TodoList”,4);

Insert into tasks(task\_name,user) values(“html\_Forms”,4);

Insert into tasks(task\_name,user) values(“GridSystems”,5);

SELECT \* FROM zen\_class\_db.student\_course;

Insert into student\_course(courseId,user) values(1,1);

Insert into student\_course(courseId,user) values(2,2);

Insert into student\_course(courseId,user) values(2,3);

Insert into student\_course(courseId,user) values(2,4);

Insert into student\_course(courseId,user) values(3,5);

Insert into student\_course(courseId,user) values(3,6);

Insert into student\_course(courseId,user) values(4,3);

Insert into student\_course(courseId,user) values(4,1);

Question 3

1. Get number problems solved in codekata by combining the users

Answer:

Select no\_of\_problem,user from codekata

Question 4

1. Display the no of company drives attended by a user

Answer:

Select user, count(\*) as count from company\_drives group by user

Question 5

1. Combine and display students\_activated\_courses and courses for a specific user groping them based on the course

Answer:

Select courseId ,user, count(\*) from student\_course group by user;

Question 6

1. List all the mentors

Answer:

SELECT \* FROM zen\_class\_db.mentors;

Question 7

1. List the number of students that are assigned for a mentor

Answer:

Select name, count(\*) as count from mentors group by name