1. Create tables for the above list given

2. insert at least 5 rows of values in each table

CREATE database students;

use students;

create table users(student\_name varchar(45), student\_email varchar(40));

insert into users (student\_name,student\_email) values ('Akanksha', 'Akanksha@mail.com'),

('Arya', 'Arya@mail.com'),

('Vijay', 'Vijay@mail.com'),

('Surya', 'Surya@mail.com'),

('Prabha', 'Prabha@mail.com'),

('Aravind', 'Aravind@mail.com'),

('Kalpana', 'Kalpana@mail.com'),

('Pooja', 'Pooja@mail.com'),

('Anupama', 'Anupama@mail.com'),

('Rudhra','Rudhra@mail.com');

create table codekata(student\_name varchar(45), problems\_solved numeric);

insert into codekata(student\_name, problems\_solved) values

('Akanksha', 20),

('Arya', 40),

('Vijay', 44),

('Surya', 23),

('Prabha', 75),

('Aravind', 12),

('Kalpana', 42),

('Pooja', 56),

('Anupama', 1),

('Rudhra',98);

create table attendance(student\_name varchar(45), att\_percent numeric);

insert into attendance(student\_name, att\_percent) values

('Akanksha', 75),

('Arya', 89),

('Vijay', 67),

('Surya', 87),

('Prabha', 75),

('Aravind', 35),

('Kalpana', 50),

('Pooja', 78),

('Anupama', 10),

('Rudhra',100);

create table topics(topic\_name varchar(45));

insert into topics(topic\_name) values ("HTML"), ("CSS"), ("Bootstrap"), ("ReactJS"), ("MongoDB"), ("NOdeJS");

create table tasks(task\_name varchar(45));

insert into tasks(task\_name) values ("pancard task"), ("invitation card task"), ("Newspapaer task"), ("CRUD App"), ("Zen class DB"), ("payment task");

create table company\_drives(student\_name varchar(45), no\_of\_drives numeric);

insert into company\_drives(student\_name, no\_of\_drives) values

('Akanksha', 5),

('Arya', 5),

('Vijay', 3),

('Surya', 4),

('Prabha', 3),

('Aravind', 1),

('Kalpana', 2),

('Pooja', 3),

('Anupama', 0),

('Rudhra',5);

create table mentors(mentor\_name varchar(50), students\_assigned numeric);

insert into mentors(mentor\_name, students\_assigned) values ('Sai', 3), ('Vignesh', 2), ('Shekar', 2), ('VInay', 1), ('Suresh', 2);

create table courses(id numeric, course\_name varchar(50));

insert into courses(id,course\_name) values (1,"Front end"), (2,"Backend"), (3,"Python"), (4,"AI"), (5,"Machine learning"), (6,"Java"), (7,"C++");

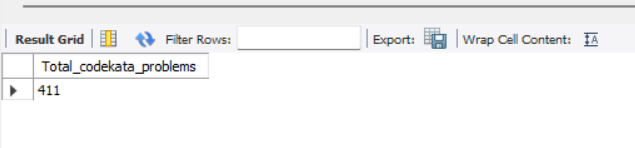
create table student\_activated\_courses(id numeric,student\_name varchar(50), student\_activated\_course varchar(50));

insert into student\_activated\_courses(id,student\_name, student\_activated\_course) values (1,"Akanksha","Front end"), (2,"Arya","Backend"), (3,"Vijay","Python"), (4,"Prabha","AI"), (5,"Rudhra","Machine learning"), (6,"Pooja","Java"), (7,"Anupama","C++");

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3. get number problems solved in codekata by combining the users

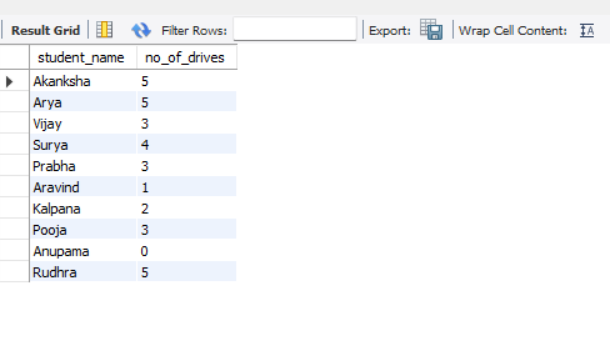
select sum(problems\_solved) as Total\_codekata\_problems from codekata;



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4. display the no of company drives attended by a user

select \* from company\_drives;



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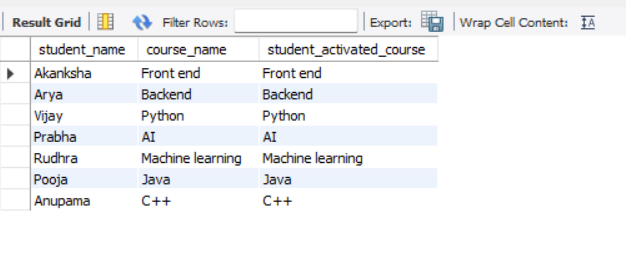
5. combine and display students\_activated\_courses and courses for a specific user grouping them based on the course

select student\_name, course\_name, student\_activated\_course

from courses inner join student\_activated\_courses

on courses.id = student\_activated\_courses.id

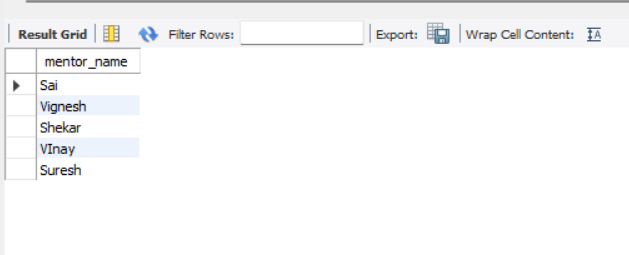
where course\_name = student\_activated\_course;



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6. list all the mentors

select mentor\_name from mentors;



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7. list the number of students that are assigned for a mentor

select \* from mentors;

