Sql task

Text

Description automatically generated

https://gist.github.com/rvsp/51ac78f183db0cebde984fd45b90b2a8

1)Creating tables in the database

1)CREATE TABLE users (student\_name varchar(45), student\_email varchar(40),id PRIMARY KEY);

2)CREATE TABLE codekata (

problem varchar(45), solved boolean,

PersonID int,

FOREIGN KEY (PersonID) REFERENCES Persons(PersonID)

);

3)CREATE TABLE attendance (

day varchar(45), attendance boolean,

attendanceid int,

FOREIGN KEY (attendanceid) REFERENCES Persons(attendanceid)

);

4)create TABLE tasks (

Task varchar(45), dateofsubmission varchar(45) ,

taskid int NOT NULL,

PRIMARY KEY (taskid)

);

5)CREATE TABLE topics (

Topic varchar(45), STD int,

topicsid int NOT NULL,

PRIMARY KEY (topicsid)

);

6)CREATE TABLE company\_drives (

companyname varchar(45), position varchar(45),

comapnyid int,

FOREIGN KEY (comapnyid) REFERENCES Persons(comapnyid)

);

7) CREATE TABLE mentors (

mentorname varchar(45), mentorsubject varchar(45),

mentorid int,

FOREIGN KEY (mentorid) REFERENCES Persons(mentorid)

);

8) CREATE TABLE students\_activated\_courses (

course\_date varchar(45), activecourse\_name varchar(45),

courseid int,

FOREIGN KEY (courseid) REFERENCES Persons(courseid)

);

9) CREATE TABLE courses(

coursename varchar(45), course\_duration\_min Int,

courseid int,

FOREIGN KEY (courseid) REFERENCES Persons(courseid)

);

2)Inserting data in the tables

1)

INSERT INTO users

VALUES ('yusf', 'yusf@mail.com'),

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

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

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

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

SELECT \* FROM users;

Table

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2)

INSERT INTO codekata

VALUES ('string', 1,2),

('array', 0,5),

('loops', 1,4),

('function', 1,3),

('data structures', 0,2),

('string', 1,1),

('array', 0,1),

('loops', 0,2),

('function', 1,3),

('data structures', 0,4),

('array', 0,5),

('loops', 1,3),

('function', 1,2),

('data structures', 0,1);

SELECT \* FROM codekata;

A picture containing table

Description automatically generated

3)

INSERT INTO attendance

VALUES ('modany', 1,2),

('Tuesday', 0,5),

('Wednesday', 1,4),

('Friday', 1,3),

('tuesday', 0,2),

('Wednesday', 1,1),

('Friday', 0,1),

('Monday', 0,2),

('Thusday', 1,3),

(' wednesday', 0,4),

('tuesday', 0,5),

('saturday', 1,3),

('monday', 1,2);

SELECT \* FROM attendance;

Table

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4)

INSERT INTO topics

VALUES ('MAths', 2,1),

('Web dev', 8,2),

('Social', 5,3),

('DBMS', 10,4),

('OS', 11,5);

SELECT \* FROM topics ;

Table

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5)

INSERT INTO tasks

VALUES ('MAths', "moday",1),

('Web dev', "tuesday",2),

('Social', "wednesday",3),

('DBMS', "thursday",4),

('OS', "friday",5);

SELECT \* FROM tasks ;

Table

Description automatically generated

6)

INSERT INTO company\_drives

VALUES ('freshworks', "developer",1),

('deshaw', "marketing",2),

('TCS', "sales",3),

('Infosys', "BA",4),

('dynamic', "financial anlyst",5),

("dreamers","HR",2),

('freshworks', "developer",3),

('deshaw', "marketing",1),

('TCS', "sales",5),

('Infosys', "BA",2),

('dynamic', "financial anlyst",1),

("dreamers","HR",4);

Table

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7)

INSERT INTO mentors

VALUES ('ram', "developer",1),

('sai', "CSE",2),

('chirag', "ECE",3),

('ravina', "BA",4),

('sagar', "financial anlyst",5),

('prena', "CSE",2),

('santhish', "ECE",3),

('jackie', "BA",4),

('ram', "developer",3),

('sai', "CSE",1),

('chirag', "ECE",4),

('ravina', "BA",5),

('sagar', "financial anlyst",2),

('prena', "CSE",3),

('santhish', "ECE",1),

('jackie', "BA",3),

('ram', "developer",2),

('sai', "CSE",1),

('chirag', "ECE",2),

('ravina', "BA",5),

('sagar', "financial anlyst",3),

('prena', "CSE",4),

('santhish', "ECE",2),

('jackie', "BA",1);

Table

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8)

INSERT INTO students\_activated\_courses

VALUES ('monday', "developer",1),

('friday', "CSE",2),

('teuesday', "ECE",3),

('wednesday', "BA",4),

('Friday', "financial anlyst",5),

('Thursday', "CSE",2),

('wednesday', "ECE",3),

('Tuesday', "BA",4),

('Wednesday', "developer",3),

('Friday', "CSE",1),

('Monday', "ECE",4),

('Thursday', "BA",5),

('Wednesday', "financial anlyst",2),

('Monday', "CSE",3),

('Saturday', "ECE",1);

select \* from students\_activated\_courses

Table

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9)

VALUES ( "developer",45,1),

( "CSE",45,2),

( "ECE",45,3),

( "BA",45,4),

( "financial anlyst",45,5),

( "CSE",45,2),

( "ECE",45,3),

( "BA",45,4),

( "developer",45,3),

( "CSE",45,1),

( "ECE",45,4),

("BA",45,5),

( "financial anlyst",45,2),

( "CSE",45,3),

( "ECE",45,1),

( "BA",45,3),

( "developer",45,2),

( "CSE",45,1),

( "ECE",45,2),

( "BA",45,5),

( "financial anlyst",45,3),

("CSE",45,4),

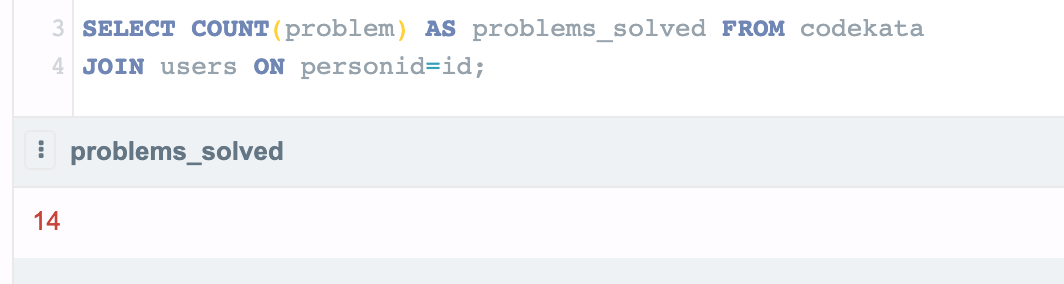
( "ECE",45,2),

( "BA",45,1);

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



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

Graphical user interface, application, Teams

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

Graphical user interface, application, Teams

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6) list all the mentors

Table

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

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