**DB model for Guvi Zen class**

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

Description automatically generated with low confidence

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

Description automatically generated

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

Description automatically generated

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

Description automatically generated

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

Description automatically generated

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);

Table

Description automatically generated