1

-- create DATABASE zen;

use zen;

-- create table user(

-- user\_id int not null auto\_increment,

-- class\_name varchar(255),

-- first\_name varchar(255) not null,

-- last\_name varchar(255),

-- email\_id varchar(255) unique,

-- primary key(user\_id))

-- insert into user(class\_name,first\_name,last\_name,email\_id) values ('BD30','kiran','guru','kiran@email.com'),('BD30','NIR','jana','nir@email.com'),('BD30','chet','guru','chets@email.com');

-- select \* from user;

-- insert into user(class\_name,first\_name,last\_name,email\_id) values ('BD30','sars','guru','saras@email.com');

select \* from user;

2

use zen;

-- create table codekata(

-- codekata\_id int not null auto\_increment,

-- topics varchar(255),

-- Total\_problems int ,

-- primary key(codekata\_id));

-- insert into codekata(topics,Total\_problems) values ('arrays',10),('string',7),('mathematics',5),('basics',14),('logical',18);

select \* from codekata;

3

-- Total\_problemsSolved int ,

-- primary key(codekataSolved\_id),

-- FOREIGN KEY (user\_id) REFERENCES user(user\_id),

-- FOREIGN KEY (codekata\_id) REFERENCES codekata(codekata\_id)

-- );

-- insert into codekata\_solved(user\_id,codekata\_id,Total\_problemsSolved) values (2,4,12),(2,2,8),(2,1,9),(2,3,11),(2,5,11)

-- select \* from codekata\_solved;

select u.first\_name , cs.Total\_problemsSolved , c.topics from user u

join codekata\_solved cs on u.user\_id=cs.user\_id

join codekata c on cs.codekata\_id = c.codekata\_id where c.topics = 'arrays' or c.topics= 'string'

4

use zen;

create table company\_drives(

company\_id int auto\_increment,

company\_name varchar(255),

primary key(company\_id));

insert into company\_drives(company\_name) values ('google'),('microsoft'),('zoho'),('wipro'),('hcl');

select \* from company\_drives;

5

use zen;

-- create table placedRegister(

-- placedRegister int auto\_increment,

-- user\_id int,

-- company\_id int,

-- FOREIGN KEY (user\_id) REFERENCES user(user\_id),

-- foreign key (company\_id) REFERENCES company\_drives(company\_id),

-- primary key (placedRegister));

-- insert into placedRegister(user\_id, company\_id) values (1,3),(2,5),(3,2),(4,1),(5,4);

select \* from placedRegister

-- select user\_id,first\_name,company\_name from user u

-- join company\_drives cd on u.user\_id = cd.company\_drives

-- -- -- join codekata c on cs.codekata\_id = c.codekata\_id

6

use zen;

create table program(

programID int auto\_increment,

activated varchar(255),

primary key (programID));

insert into program(activated) value ('y'), ('n'), ('y'), ('y'), ('n');

select \* from program

-- drop table program

-- DROP TABLE program;

7

use zen;

create table course(

courseID int auto\_increment,

courseName varchar(255),

user\_id int,

primary key(courseID),

FOREIGN KEY (user\_id) REFERENCES user(user\_id)

);

insert into course(courseName,user\_id) values ('Full stack developer',2), ('Python developer',1),('Meachine Learning',3),('AI',5),('Networking',4);

select \* from course

8

use zen;

-- create table userCourse(

-- userCourse\_id int auto\_increment,

-- user\_id int,

-- programID int,

-- primary key(userCourse\_id),

-- FOREIGN KEY (user\_id) REFERENCES user(user\_id),

-- FOREIGN KEY (programID) REFERENCES program(programID)

-- );

select u.user\_id,u.first\_name,p.activated,c.courseName from user u join program p on u.user\_id=p.programID join course c on u.user\_id=c.user\_id

-- drop table userCourse

9

use zen;

create table mentor(

mentorID int auto\_increment,

mentorName varchar(255),

mentorFor varchar(255),

primary key(mentorID));

insert into mentor(mentorName,mentorFor) value ('nagarajan','Full stack developer'),('nagarajan','Python developer'),('sumanth','Meachine Learning'),('lavaish','AI'),('saimohan','Networking');

select \* from mentor

10

use zen;

-- create table mentorData(

-- mentorData\_id int auto\_increment,

-- user\_id int,

-- mentorID int,

-- primary key(mentorData\_id),

-- FOREIGN KEY (user\_id) REFERENCES user(user\_id),

-- foreign key (mentorID) references mentor(mentorID))

-- select \* from user u join mentor m on u.user\_id=mentorID

-- drop table mentorData