**Create tables using SQL**

create table users (

user\_id int primary key,

user\_name varchar(50) not null,

password varchar(50) not null,

email varchar(50) not null,

linkedin\_acc varchar(50),

github\_acc varchar(50));

create table role (

role\_id int primary key,

role\_name varchar(50) not null,

role\_desc varchar(50) not null);

create table location(

location\_id int primary key,

country varchar(50) not null,

city varchar(50) not null );

create table admins(

aadmin\_id int primary key,

user\_id int not null FOREIGN KEY REFERENCES users(user\_id),

location\_id int not null FOREIGN KEY REFERENCES locations(location\_id)

);

create table login(

loin\_id int primary key,

user\_id varchar(50) not null FOREIGN KEY REFERENCES users(user\_id),

log\_status varchar(50) not null

);

create table user\_role(

ur\_id int primary key,

user\_id int not null FOREIGN KEY REFERENCES users(user\_id),

role\_id int not null FOREIGN KEY REFERENCES roles(role\_id)

);

create table posts(

post\_id int primary key,

user\_id int not null FOREIGN KEY REFERENCES users(user\_id),

post\_desc varchar(50) not null ,

post\_date date not null

);

create table comments(

comment\_id int primary key,

user\_id int not null FOREIGN KEY REFERENCES users(user\_id),

post\_id int not null FOREIGN KEY REFERENCES posts(post\_id),

comment\_desc varchar(50) not null ,

comment\_date date not null

);

create table instructors(

instructor\_id int primary key,

user\_id int not null FOREIGN KEY REFERENCES users(user\_id),

location\_id int not null FOREIGN KEY REFERENCES locations(location\_id),

instructor\_name varchar(50) not null

);

create table company(

company\_id int primary key,

location\_id int not null FOREIGN KEY REFERENCES locations(location\_id),

company\_name varchar(50) not null ,

company\_desc varchar(50) not null

);

create table university(

university\_id int primary key,

location\_id int not null FOREIGN KEY REFERENCES locations(location\_id),

university\_name varchar(50) not null ,

university\_desc varchar(50) not null

);

create table learner(

learner\_id int primary key,

user\_id int not null FOREIGN KEY REFERENCES users(user\_id),

location\_id int not null FOREIGN KEY REFERENCES locations(location\_id),

company\_id int not null FOREIGN KEY REFERENCES company(company\_id),

university\_id int not null FOREIGN KEY REFERENCES university(university\_id),

learner\_name varchar(50) not null ,

learner\_bdate date not null,

skills varchar(500) not null ,

learner\_cv image not null

);

create table university\_learner(

ul\_id int primary key,

university\_id int not null FOREIGN KEY REFERENCES university(university\_id),

learner\_id int not null FOREIGN KEY REFERENCES learner(learner\_id),

learner\_status varchar not null,

grad\_date date ,

grad\_avg float

);

create table courses(

course\_id int primary key,

instructor\_id int not null FOREIGN KEY REFERENCES instructors(instructor\_id),

course\_name varchar not null,

course\_hour int not null

);

create table course\_learner(

cl\_id int primary key,

course\_id int not null FOREIGN KEY REFERENCES courses(course\_id),

learner\_id int not null FOREIGN KEY REFERENCES learner(learner\_id)

);

create table quizes(

quize\_id int primary key,

quize\_name varchar not null

);

create table homeworks(

homework\_id int primary key,

homework\_name varchar(50) not null,

homework\_desc varchar(500) not null

);

create table certificates(

certificate\_id int primary key,

hcertificate\_name varchar(50) not null,

certificate\_desc varchar(500) not null

);

create table contants(

contant\_id int primary key,

course\_id int not null FOREIGN KEY REFERENCES courses(course\_id),

contant\_pdf varchar(100) ,

contant\_viedio varchar(100)

);

create table course\_quiz(

cq\_id int primary key,

course\_id int not null FOREIGN KEY REFERENCES courses(course\_id),

learner\_id int not null FOREIGN KEY REFERENCES learner(learner\_id),

quize\_id int not null FOREIGN KEY REFERENCES quizes(quize\_id),

quiz\_mark float

);

create table homework\_course(

hc\_id int primary key,

course\_id int not null FOREIGN KEY REFERENCES courses(course\_id),

learner\_id int not null FOREIGN KEY REFERENCES learner(learner\_id),

homework\_id int not null FOREIGN KEY REFERENCES homeworks(homework\_id),

homework\_mark float ,

feedback varchar(500) ,

solution varchar(500)

);

create table certificate\_course(

cc\_id int primary key,

course\_id int not null FOREIGN KEY REFERENCES courses(course\_id),

learner\_id int not null FOREIGN KEY REFERENCES learner(learner\_id),

certificate\_id int not null FOREIGN KEY REFERENCES certificates(certificate\_id),

avg\_mark float not null,

certificate\_date date not null

);

create table learner\_company(

lc\_id int primary key,

company\_id int not null FOREIGN KEY REFERENCES company(company\_id),

learner\_id int not null FOREIGN KEY REFERENCES learner(learner\_id),

salary float not null,

);