# Question 5

Design a mysql database. Requirements are as follows

1. We have a user entity with columns username, password
2. Every use can have multiple addresses. Address entity will have column street, pincode, country, state, phone no. So one user can have multiple addresses.

Design a db structure for this using create table sql syntax

>>Creating ‘users’ table

CREATE TABLE users (

username varchar(20),

password varchar(20),

PRIMARY KEY (username)

);

>>Creating ‘address’ table

CREATE TABLE address (

username varchar(20),

street varchar(20),

pincode int(10),

country varchar(20),

state varchar(20),

phone\_no bigint(10),

FOREIGN KEY (username) REFERENCES users(username)

);

After adding users, You can add multiple addresses with the same “username”

>>Adding data

INSERT INTO users (username, password) VALUES (‘venkat’, ‘password’);

INSERT INTO address (username, street, pincode, country, state, phone\_no) VALUES ('venkat', 'street1', 12345, 'india', 'maharashtra', 6543218765), ('venkat', 'street2', 13455, 'india', 'maharashtra', 6549825638);

>>Joining tables

SELECT

users.username,

address.street,

address.pincode,

address.country,

address.state,

address.phone\_no

FROM

users

INNER JOIN

address

ON users.username = address.username