Progression 1 :

create table User\_Personal(

userId varchar(20),

u\_email varchar(20),

fName varchar(20),

lName varchar(20),

city varchar(20),

state varchar(30),

zip number(40));

Insert into User\_Personal values(‘MA12’, ‘alex@ymail.com’,’Alex’,’Jones’,’Houston’,’Texas’,75001);

Insert into User\_Personal values(‘PO45’,’emma.john@gmail.com’,’Emma’,’Stone’,’Albany’,’New York’,10008);

Insert into User\_Personal values(‘LA33’,’victoria@yahoo.co’,’Victoria’,’Aurora’,’Istanbul’,’Turkey’,34000);

Insert into User\_Personal values(‘CH99’,’joe.1997@hotmail.com’,’Joe’,’Johnson’,’Los Angeles’,’California’,90201);

Insert into User\_Personal values(‘DA74’,’diany01@live.com’,’Dany’,’William’,’Miami’,’Florida’,32006);

Progression 2 :

Since there are no multi-valued attributes the table is already in 1NF and since there is only one primary key, it’s already in 2NF. Therefore, we need to reduce it to 3NF.

SELECT DISTINCT

ZIP,

CITY,

STATE

INTO Location

FROM User\_Personal;

ALTER TABLE User\_Personal DROP COLUMN CITY;

ALTER TABLE User\_Personal DROP COLUMN STATE;