**Create Database schema in MYSQL**

show databases;

create database bus\_reservation\_db1;

show databases;

use bus\_reservation\_db1;

show tables;

CREATE TABLE USER

(

ID INT NOT NULL AUTO\_INCREMENT,

FIRST\_NAME VARCHAR(20),

LAST\_NAME VARCHAR(20),

EMAIL VARCHAR(20),

PASSWORD VARCHAR(256),

PRIMARY KEY (ID),

UNIQUE KEY (EMAIL)

);

CREATE TABLE BUS

(

ID INT NOT NULL AUTO\_INCREMENT,

BUS\_NUMBER VARCHAR(20) NOT NULL,

OPERATING\_TRAVELER VARCHAR(20) NOT NULL,

DEPARTURE\_CITY VARCHAR(20) NOT NULL,

ARRIVAL\_CITY VARCHAR(20) NOT NULL,

DATE\_OF\_DEPARTURE DATE NOT NULL,

ESTIMATED\_DEPARTURE\_TIME TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

PRIMARY KEY (ID)

);

CREATE TABLE PASSENGER

(

ID INT NOT NULL AUTO\_INCREMENT,

FIRST\_NAME VARCHAR(256),

LAST\_NAME VARCHAR(256),

MIDDLE\_NAME VARCHAR(256),

EMAIL VARCHAR(50),

PHONE VARCHAR(10),

PRIMARY KEY (ID)

);

CREATE TABLE RESERVATION

(

ID INT NOT NULL AUTO\_INCREMENT,

CHECKED\_IN TINYINT(1),

NUMBER\_OF\_BAGS INT,

PASSENGER\_ID INT,

BUS\_ID INT,

CREATED TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

PRIMARY KEY (ID),

FOREIGN KEY (PASSENGER\_ID) REFERENCES PASSENGER(ID) ON DELETE CASCADE,

FOREIGN KEY (BUS\_ID) REFERENCES BUS(ID)

);

SELECT \* FROM USER;

SELECT \* FROM PASSENGER;

SELECT \* FROM BUS;

SELECT \* FROM RESERVATION;

SELECT \* FROM BUS;

insert into bus values(1,'AA1','American Busline','ABS',

'NYC',STR\_TO\_DATE('02-05-2018', '%m-%d-%Y'),'2020-02-05 03:14:07')

insert into bus values(2,'AA2','American Busline','ABS',

'NYC',STR\_TO\_DATE('02-05-2018', '%m-%d-%Y'), '2020-02-05 05:14:07')

insert into bus values(3,'AA3','American Busline','ABS',

'NYC',STR\_TO\_DATE('02-05-2018', '%m-%d-%Y'), '2020-02-05 06:14:07')

insert into bus values(4,'SW1','South West','AUS',

'NYC',STR\_TO\_DATE('02-05-2018', '%m-%d-%Y'), '2020-02-05 07:14:07')