**Bus Booking System**

I have created this project with the help of mysql.connector instead of mysqlite3 which I have learned by exploring on internet and studying about connectors.

I have implemented many features like:

* You can’t book seats more than capacity of bus
* You can’t book seats more than available seats.
* You can’t add bus, route, run, operator which already exist in database.
* If Bus is fully booked then it will show error ‘No bus Bus Available’.
* You can’t add String in Phone number column.

And many features like this.

And I have used .format function of python instead of {?,?}

**Routes:**  
 **Guna Bhopal** **Date: ‘27/11/22’**

**Database:**

cur.execute('create table Operator(Op\_Id int PRIMARY KEY, Name varchar(20), Address varchar(20), Email varchar(50), Phone numeric(20));')

cur.execute('create table Route(Route\_Id int(10), S\_Id int(10), Sname varchar(10), PRIMARY KEY(Route\_Id,S\_Id));')

cur.execute('create table Bus(Bus\_Id int PRIMARY KEY, Type varchar(10),Capacity int(5),Fare int(10),Route\_Id int(10),Op\_Id int(10),CONSTRAINT fk\_route FOREIGN KEY(Route\_Id) REFERENCES Route(Route\_Id),CONSTRAINT fk\_opID FOREIGN KEY(Op\_Id) REFERENCES operator(op\_Id));')

cur.execute('create table Runs(Bus\_Id int(10),Date varchar(10), Seat\_Available int(5),CONSTRAINT fk\_bus FOREIGN KEY(bus\_Id) REFERENCES BUS(Bus\_Id));')

cur.execute('create table Booking\_history(Reference\_Id int auto\_increment Primary Key,Name varchar(20),Phone numeric(11),Age int(10),Gender varchar(10),Boarding varchar(10),Upto varchar(10),Travelling\_Date date,Booking\_date date, Seates\_booked int(10),Bus\_Id int(10),fare numeric(10))')

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