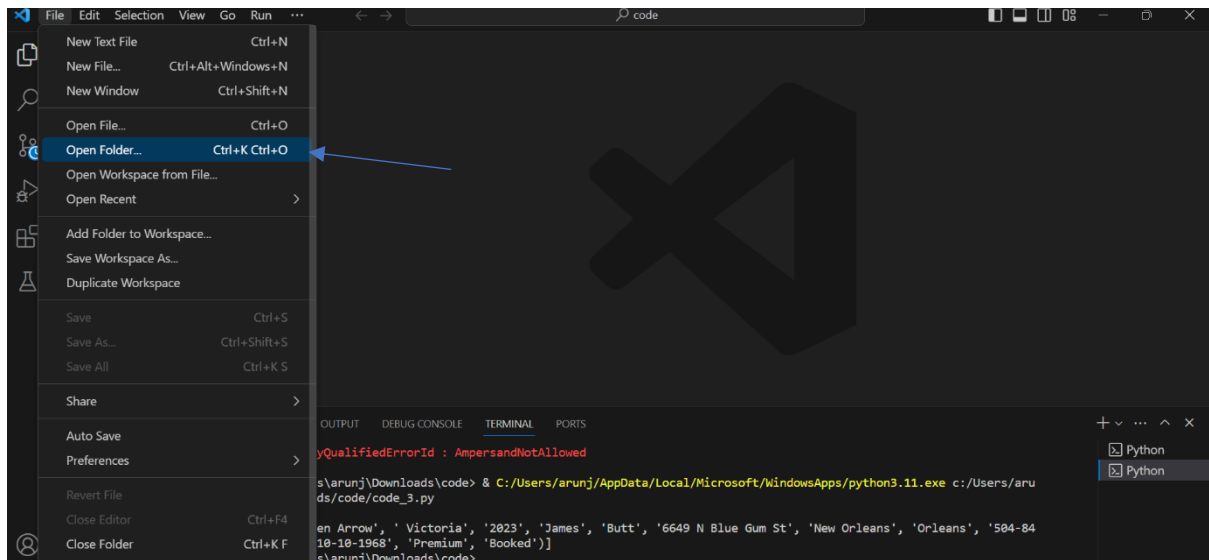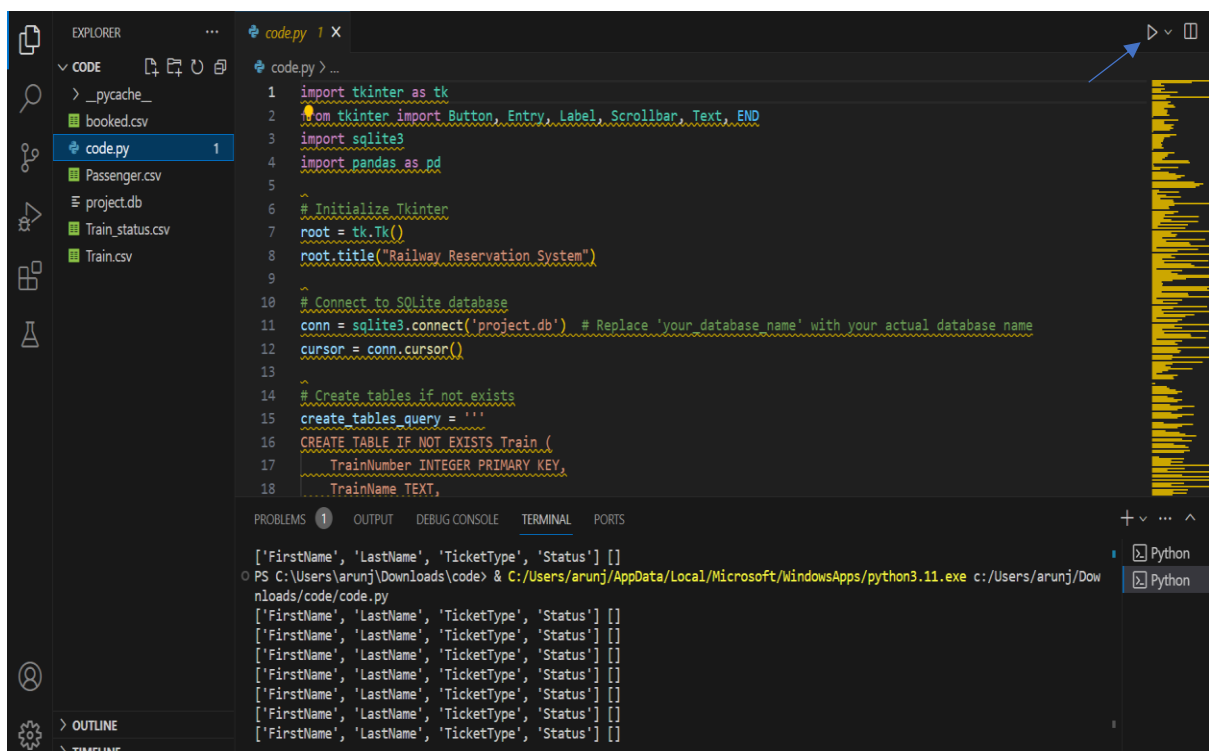After unzipping the file from the folder make sure you have visual studio code. The programming assignment has been made in Android Visual studio code, so please make sure that you do have Visual studio to run the project.

Choose the code folder to run the program in open folder section.

The mark is provided where you can run the programme.

QUERY SOLUTION:

```
1) SELECT Train.TrainNumber, Train.TrainName, Booked.TicketType, Booked.Status

      FROM Passenger
      JOIN Booked ON Passenger.SSN = Booked.PassengerSSN
      JOIN Train ON Booked.TrainNumber = Train.TrainNumber
```

```
        WHERE LOWER(Passenger.FirstName) = LOWER(?) AND
LOWER(Passenger.LastName) = LOWER(?)
```

```
2) SELECT Passenger.FirstName, Passenger.LastName, Booked.TicketType,
Booked.Status

        FROM Booked
        JOIN Passenger ON Booked.PassengerSSN = Passenger.SSN
        WHERE Booked.Status = 'Booked' AND Booked.TrainNumber IN (
        SELECT TrainNumber FROM Train_Status Join Train on Train.TrainName =
Train_Status.TrainName WHERE Train_Status.TrainDate = '{selected_date}')
    '''
```

```
3) SELECT Train.TrainNumber, Train.TrainName, Train.SourceStation,
strftime('%Y', 'now'),

          Passenger.FirstName, Passenger.LastName, Passenger.Address,
Passenger.City,
          Passenger.County, Passenger.Phone, Passenger.bdate,
Booked.TicketType, Booked.Status
    FROM Booked
    JOIN Train ON Booked.TrainNumber = Train.TrainNumber
    JOIN Passenger ON Booked.PassengerSSN = Passenger.SSN
    WHERE (CAST(strftime('%Y', 'now') AS INTEGER) -
CAST(substr(Passenger.bdate, 7, 11) AS INTEGER)) BETWEEN 50 AND 60;
    '''
```

```
4) SELECT Train.TrainNumber, Train.TrainName, COUNT(Booked.PassengerSSN) as
PassengerCount

        FROM Train
        LEFT JOIN Booked ON Train.TrainNumber = Booked.TrainNumber
        GROUP BY Train.TrainNumber, Train.TrainName;
```

```
5)  SELECT Passenger.FirstName, Passenger.LastName, Booked.TicketType,
Booked.Status

        FROM Booked
        JOIN Train ON Booked.TrainNumber = Train.TrainNumber
        JOIN Passenger ON Booked.PassengerSSN = Passenger.SSN
        WHERE Train.TrainName = '{entered_train_name}' AND Booked.Status =
'Booked';
```

```
6) DELETE FROM Booked WHERE PassengerSSN = '{passenger_ssn}' AND TrainNumber =
{train_number};
```