

Cab Booking System

Screenshots of Functionality:

All options of Functionalities

```
Select C:\Windows\py.exe

----- ACTIONABLE ITEMS -----
1. List of All Database Tables
2. Get information of a selected table
3. Change the Last Name of Customer
4. View Customer details with Customer ID
5. Add new Location
6. Which pickup location has the highest number of bookings?
7. Which drop location has the highest number of bookings?
8. Which Category of car has the highest demand in terms of bookings?
9. Retrieve customer ID, Pass ID and total amount spent by given range of customer for highest revenue generating customers
10. Retrieve vehicle_id, pickup and drop locations and sum total of revenue for range of given V_ID for them.
11. View Customer list with total number of particular zipcode
0. Enter 0 to exit

Enter your option: _
```

1. List All the Tables

```
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Enter your option: 1
-----
FALL22_S003_10_BOOKS_DETAILS
FALL22_S003_10_CUSTOMER
FALL22_S003_10_CUSTOMER_PH_NO
FALL22_S003_10_DRIVER
FALL22_S003_10_GOES_FROM
FALL22_S003_10_GOES_TO
FALL22_S003_10_LOCATION
FALL22_S003_10_PASS
FALL22_S003_10_VEHICLE
TABLE_1
-----
```

2. Show a Tables details of entered table name

```
C:\Windows\py.exe
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Enter your option: 2
enter the relation name to see contents: Fall22_S003_10_Pass
-----
8155217965 1 2021-01-16 00:00:00 2021-02-15 00:00:00
9680195570 2 2021-12-19 00:00:00 2022-01-18 00:00:00
5607744981 3 2021-07-07 00:00:00 2021-08-06 00:00:00
4329587149 4 2021-09-30 00:00:00 2021-10-31 00:00:00
0886366933 5 2021-01-31 00:00:00 2021-03-02 00:00:00
5104531740 6 2021-10-10 00:00:00 2021-11-09 00:00:00
7204159063 7 2021-07-01 00:00:00 2021-07-31 00:00:00
7200415043 8 2021-03-20 00:00:00 2021-04-19 00:00:00
1845900227 9 2021-06-19 00:00:00 2021-07-19 00:00:00
8043862710 10 2021-11-07 00:00:00 2021-12-07 00:00:00
6799423179 11 2021-03-07 00:00:00 2021-04-06 00:00:00
1217255869 12 2021-07-13 00:00:00 2021-08-12 00:00:00
3193298239 13 2021-11-22 00:00:00 2021-12-22 00:00:00
1016299435 14 2021-07-25 00:00:00 2021-08-24 00:00:00
4966251877 15 2021-02-16 00:00:00 2021-03-18 00:00:00
2180509855 16 2021-06-12 00:00:00 2021-07-12 00:00:00
0114077363 17 2021-03-14 00:00:00 2021-04-13 00:00:00
4778616556 18 2021-01-21 00:00:00 2021-02-20 00:00:00
2979506050 19 2021-06-15 00:00:00 2021-07-15 00:00:00
8937538635 20 2021-05-09 00:00:00 2021-06-08 00:00:00
9207562995 21 2021-05-29 00:00:00 2021-11-25 00:00:00
8689995218 22 2021-02-15 00:00:00 2021-08-14 00:00:00
6691944569 23 2021-04-15 00:00:00 2021-10-12 00:00:00
3385329701 24 2021-07-26 00:00:00 2022-01-22 00:00:00
9614356049 25 2021-09-20 00:00:00 2022-03-19 00:00:00
2387653483 26 2021-06-24 00:00:00 2021-12-21 00:00:00
9962739977 27 2021-04-07 00:00:00 2021-10-04 00:00:00
4440520634 28 2021-12-05 00:00:00 2022-06-03 00:00:00
2275881360 29 2021-11-20 00:00:00 2022-05-19 00:00:00
2953742123 30 2021-01-01 00:00:00 2022-06-30 00:00:00
1283809345 31 2021-07-14 00:00:00 2022-07-14 00:00:00
8021391405 32 2021-05-25 00:00:00 2022-05-25 00:00:00
6290626035 33 2021-03-24 00:00:00 2022-03-24 00:00:00
6961055532 34 2021-05-05 00:00:00 2022-05-05 00:00:00
3152427972 35 2021-05-23 00:00:00 2022-05-23 00:00:00
3771442427 36 2021-07-08 00:00:00 2022-07-08 00:00:00
8280667415 37 2021-02-19 00:00:00 2022-02-19 00:00:00
2925151213 38 2021-11-27 00:00:00 2022-11-27 00:00:00
0568005988 39 2021-03-25 00:00:00 2022-03-25 00:00:00
3961233306 40 2021-08-02 00:00:00 2022-08-02 00:00:00
-----
```

3. Provide functionality to change the last name of the customer.

```
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11. View Customer list with total number of particular zipcode
0. Enter 0 to exit

Enter your option: 3
-----ENTER FOLLOWING DETAILS OF CUSTOMER TO CHANGE THE LAST NAME-----
Enter customer id: 4
Enter new Last name: Patel
Last Name Changed.
```

4. Provides Functionality to show all the details of selected customer

```
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9. Retrieve customer ID, Pass ID and total amount spent by given range of customer for highest revenue generating customers
10. Retrieve vehicle_id, pickup and drop locations and sum total of revenue for range of given V_ID for them.
11. View Customer list with total number of particular zipcode
0. Enter 0 to exit

Enter your option: 4
Enter Customer ID to get all the details: 4

Customer Details:
Customer Id First Name Last Name Account Start Date DOB
-----
4 Licha Patel 2021-09-30 00:00:00 1997-06-09 00:00:00
-----
----- ACTIONABLE ITEMS -----
```

5. Provides Functionality to add new location

```
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9. Retrieve customer ID, Pass ID and total amount spent by given range of customer for highest revenue generating customers
10. Retrieve vehicle_id, pickup and drop locations and sum total of revenue for range of given V_ID for them.
11. View Customer list with total number of particular zipcode
0. Enter 0 to exit

Enter your option: 5
-----ENTER FOLLOWING DETAILS TO ADD NEW LOCATION-----
Enter Zipcode: 0042
Enter Location Type: Industrial
NEW LOCATION Added
```

6. Shows Pickup location having Highest booking

```
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1. List of All Database Tables
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7. Which drop location has the highest number of bookings?
8. Which Category of car has the highest demand in terms of bookings?
9. Retrieve customer ID, Pass ID and total amount spent by given range of customer for highest revenue generating customers
10. Retrieve vehicle_id, pickup and drop locations and sum total of revenue for range of given V_ID for them.
11. View Customer list with total number of particular zipcode
0. Enter 0 to exit

Enter your option: 6
  Zip Code  Location Type
-----
    0024   Residential
```

7. Shows Drop Location having Highest booking

```
----- ACTIONABLE ITEMS -----
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7. Which drop location has the highest number of bookings?
8. Which Category of car has the highest demand in terms of bookings?
9. Retrieve customer ID, Pass ID and total amount spent by given range of customer for highest revenue generating customers
10. Retrieve vehicle_id, pickup and drop locations and sum total of revenue for range of given V_ID for them.
11. View Customer list with total number of particular zipcode
0. Enter 0 to exit

Enter your option: 7
  Zipcode  Location Type
-----
    0009   University
```

8. Shows Most Popular Car

```
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8. Which Category of car has the highest demand in terms of bookings?
9. Retrieve customer ID, Pass ID and total amount spent by given range of customer for highest revenue generating customers
10. Retrieve vehicle_id, pickup and drop locations and sum total of revenue for range of given V_ID for them.
11. View Customer list with total number of particular zipcode
0. Enter 0 to exit

Enter your option: 8
Popular Car Category
-----
SUV
```

9. Show Highest Revenue Generating Customer in given Range

```

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5. Add new Location
6. Which pickup location has the highest number of bookings?
7. Which drop location has the highest number of bookings?
8. Which Category of car has the highest demand in terms of bookings?
9. Retrieve customer ID, Pass ID and total amount spent by given range of customer for highest revenue generating customers
10. Retrieve vehicle_id, pickup and drop locations and sum total of revenue for range of given V_ID for them.
11. View Customer list with total number of particular zipcode
0. Enter 0 to exit

Enter your option: 9
Enter the Range of customer id
Start ID: 1
End ID: 5

```

Customer ID	Pass ID	Total Price
1	8155217965	25
1		25
2	9680195570	30
2		30
3	5607744981	34
3		34
4	4329587149	31
4		31
5	0886366933	41
5		41
		161

10. Show Sum of Total Revenue Generating Vehicle in given Range

```

C:\Windows\py.exe
2. Get information of a selected table
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4. View Customer details with Customer ID
5. Add new Location
6. Which pickup location has the highest number of bookings?
7. Which drop location has the highest number of bookings?
8. Which Category of car has the highest demand in terms of bookings?
9. Retrieve customer ID, Pass ID and total amount spent by given range of customer for highest revenue generating customers
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11. View Customer list with total number of particular zipcode
0. Enter 0 to exit

Enter your option: 10
Enter the Range of vehicle id
Enter First Vehicle Id: V05
Enter second Vehicle Id: V07

```

Vehicle ID	Pickup Location	Drop Location	Price
			50
		0005	10
		0006	10
		0009	10
		0011	10
		0014	10
	0005		10
	0005	0009	10
	0013		10
	0013	0006	10
	0015		10
	0015	0014	10
	0024		10
	0024	0011	10
	0039		10
	0039	0005	10
V05			10
V05		0005	10
V05	0039		10
V05	0039	0005	10
V06			20
V06		0009	10
V06		0011	10
V06	0005		10
V06	0005	0009	10
V06	0024		10
V06	0024	0011	10
V07			20
V07		0006	10
V07		0014	10
V07	0013		10
V07	0013	0006	10
V07	0015		10
V07	0015	0014	10

11. Show Customer list having particular entered zipcode

```
----- ACTIONABLE ITEMS -----
1. List of All Database Tables
2. Get information of a selected table
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5. Add new Location
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8. Which Category of car has the highest demand in terms of bookings?
9. Retrieve customer ID, Pass ID and total amount spent by given range of customer for highest revenue generating customers
10. Retrieve vehicle_id, pickup and drop locations and sum total of revenue for range of given V_ID for them.
11. View Customer list with total number of particular zipcode
0. Enter 0 to exit

Enter your option: 11
enter the pick up location: 0024
  Customer Id    Number of Rides
-----
      2             1
      6             1
      3             1
      4             1
      5             1
```