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Question 1:

create table cab (

cab\_id int,

driver\_name varchar(30),

license\_plate varchar(30),

phone\_number varchar(10),

Location varchar(50)

);

insert into cab values(1001,'Ravi Kumar','MH12AB1234', '9876543210', 'Mumbai');

insert into cab values(1002,'Rahul Sharma','DL12AB1234', '9876543210', 'Delhi');

insert into cab values(1003,'Kethi Jhon','DL12AB1234', '9876543210', 'Delhi');

insert into cab values(1004,'Mahesh Babu','TS12AB1234', '9876543210', 'Hyd');

**Table Name: CAB**

**ColumnName DataType**

cab\_id int

driver\_name varchar(30)

license\_plate varchar(30)

phone\_number varchar(10)

Location varchar(50)

Perform the following operations through the Java application:

1. Add Cab Details
2. Update Cab Details
3. View All Cabs
4. Remove Cab Details

**Input format :**

The first line of the input consists of a number as an option representing the CRUD operation like

1 - Add Cab Details

2 - Update the phonenumber

3 - View All Cab

4 - Remove Cab Details based on the primary key

**Output format :**

The output prints the details from the table as per CRUD operation.

Refer to the sample output for reference.

**Sample test cases :**

**Input 1 :**

1

1006

Gopal Singh

KA12MN3456

9876543215

Chennai

**Output 1 :**

Taxi added successfully.

Cab ID: 1001

Driver Name: Ravi Kumar

License Plate: MH12AB1234

Phone Number: 9876543210

Location: Mumbai

Cab ID: 1002

Driver Name: Priya Sharma

License Plate: DL05CD5678

Phone Number: 9876543211

Location: Delhi

Cab ID: 1003

Driver Name: Suresh Gupta

License Plate: KA03EF9101

Phone Number: 9876543212

Location: Bangalore

Cab ID: 1004

Driver Name: Pooja Patel

License Plate: GJ06GH2345

Phone Number: 9876543213

Location: Ahmedabad

Cab ID: 1005

Driver Name: Amit Singh

License Plate: UP09IJ6789

Phone Number: 9876543214

Location: Lucknow

Cab ID: 1006

Driver Name: Gopal Singh

License Plate: KA12MN3456

Phone Number: 9876543215

Location: Chennai

**Input 2 :**

2

1001

789859590

**Output 2 :**

Phone number updated successfully.

Cab ID: 1001

Driver Name: Ravi Kumar

License Plate: MH12AB1234

Phone Number: 789859590

Location: Mumbai

Cab ID: 1002

Driver Name: Priya Sharma

License Plate: DL05CD5678

Phone Number: 9876543211

Location: Delhi

Cab ID: 1003

Driver Name: Suresh Gupta

License Plate: KA03EF9101

Phone Number: 9876543212

Location: Bangalore

Cab ID: 1004

Driver Name: Pooja Patel

License Plate: GJ06GH2345

Phone Number: 9876543213

Location: Ahmedabad

Cab ID: 1005

Driver Name: Amit Singh

License Plate: UP09IJ6789

Phone Number: 9876543214

Location: Lucknow

**Input 3 :**

3

**Output 3 :**

Cab ID: 1001

Driver Name: Ravi Kumar

License Plate: MH12AB1234

Phone Number: 9876543210

Location: Mumbai

Cab ID: 1002

Driver Name: Priya Sharma

License Plate: DL05CD5678

Phone Number: 9876543211

Location: Delhi

Cab ID: 1003

Driver Name: Suresh Gupta

License Plate: KA03EF9101

Phone Number: 9876543212

Location: Bangalore

Cab ID: 1004

Driver Name: Pooja Patel

License Plate: GJ06GH2345

Phone Number: 9876543213

Location: Ahmedabad

Cab ID: 1005

Driver Name: Amit Singh

License Plate: UP09IJ6789

Phone Number: 9876543214

Location: Lucknow

**Input 4 :**

4

1001

**Output 4 :**

Cab removed successfully.

Cab ID: 1002

Driver Name: Priya Sharma

License Plate: DL05CD5678

Phone Number: 9876543211

Location: Delhi

Cab ID: 1003

Driver Name: Suresh Gupta

License Plate: KA03EF9101

Phone Number: 9876543212

Location: Bangalore

Cab ID: 1004

Driver Name: Pooja Patel

License Plate: GJ06GH2345

Phone Number: 9876543213

Location: Ahmedabad

Cab ID: 1005

Driver Name: Amit Singh

License Plate: UP09IJ6789

Phone Number: 9876543214

Location: Lucknow

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Question 2:

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**Table Name : student**

student\_id int

student\_name varchar(50)

maths Int

physics int

chemistry int

Perform the below operations through the Java application

· Insert Student details.

· Delete Student details.

· Show all Student details.

. update Student details.

**Input format :**

The input consists of a number representing the CRUD operation like

1 - Inserting (the input should be of all attributes)

2 - Delete (should delete all the attributes using the primary key)

3 - Show all details

4 - Update student name

**Output format :**

The output prints the details from the table as per CRUD operation.

**Sample test cases :**

**Input 1 :**

1

106

Mathew

95

88

75

**Output 1 :**

Student inserted successfully.

StudentID: 101, Name: Alice, Maths: 95, Physics: 88, Chemistry: 75

StudentID: 102, Name: Bob, Maths: 85, Physics: 90, Chemistry: 78

StudentID: 103, Name: Charlie, Maths: 75, Physics: 80, Chemistry: 85

StudentID: 104, Name: David, Maths: 92, Physics: 87, Chemistry: 79

StudentID: 105, Name: Emma, Maths: 88, Physics: 82, Chemistry: 91

StudentID: 106, Name: Mathew, Maths: 95, Physics: 88, Chemistry: 75

**Input 2 :**

2

101

**Output 2 :**

Student deleted successfully.

StudentID: 102, Name: Bob, Maths: 85, Physics: 90, Chemistry: 78

StudentID: 103, Name: Charlie, Maths: 75, Physics: 80, Chemistry: 85

StudentID: 104, Name: David, Maths: 92, Physics: 87, Chemistry: 79

StudentID: 105, Name: Emma, Maths: 88, Physics: 82, Chemistry: 91

**Input 3 :**

2

109

**Output 3 :**

No student found with the given Student ID.

**Input 4 :**

3

**Output 4 :**

StudentID: 101, Name: Alice, Maths: 95, Physics: 88, Chemistry: 75

StudentID: 102, Name: Bob, Maths: 85, Physics: 90, Chemistry: 78

StudentID: 103, Name: Charlie, Maths: 75, Physics: 80, Chemistry: 85

StudentID: 104, Name: David, Maths: 92, Physics: 87, Chemistry: 79

StudentID: 105, Name: Emma, Maths: 88, Physics: 82, Chemistry: 91

**Input 5 :**

4

101

Mathew

**Output 5 :**

Student updated successfully.

StudentID: 101, Name: Mathew, Maths: 95, Physics: 88, Chemistry: 75

StudentID: 102, Name: Bob, Maths: 85, Physics: 90, Chemistry: 78

StudentID: 103, Name: Charlie, Maths: 75, Physics: 80, Chemistry: 85

StudentID: 104, Name: David, Maths: 92, Physics: 87, Chemistry: 79

StudentID: 105, Name: Emma, Maths: 88, Physics: 82, Chemistry: 91