```
1. Add Alumni
2. View All Alumni
3. Search Alumni by Name
4. Update Alumni Information
5. Delete Alumni
6. Exit
Choose an option: 5
Enter Name to Delete: mahesh
Alumni deleted successfully.
```

```
Alumni deleted successfully.
1. Add Alumni
2. View All Alumni
3. Search Alumni by Name
4. Update Alumni Information
5. Delete Alumni
6. Exit
Choose an option: 4
Enter Name to Update: mahesh
Enter updated details for the alumni:
Enter Name: maheshkumar
Enter Email: maheshkumar@gmail.com
Enter Graduation Year: 2024
Enter Major: AI
Enter Current Working Industry: Infosys
Enter Description (Paragraph): Currently working as a senior data analyst
```

```
PS C:\Users\User\Desktop\New folder> java -cp ".;C:\Users\User\Desktop\New folder\mysql-connector-j-9.1.0.jar" Main.java
1. Add Alumni
2. View All Alumni
3. Search Alumni by Name
4. Update Alumni Information
5. Delete Alumni
6. Exit
Choose an option: 1
Enter Name: Mahesh
Enter Email: mahesh@gmail.com
Enter Graduation Year: 2024
Enter Major: AI
Enter Current Working Industry: Accenture
Enter Description (Paragraph): i have completed my college at KEC
```

MySQL Workbench

Local instance MySQL80 - W... ×

File   Edit   View   Query   Database   Server   Tools   Scripting   Help

Navigator

SCHEMAS

Filter objects

▼ ndb
  ▼ Tables
    ▼ alumni
      ▶ Columns
      ▶ Indexes
      ▶ Foreign Keys
      ▶ Triggers
    Views
    Stored Procedures
    Functions
▶ sakila
▶ sys
▶ world

Query 1   alumni   alumni   alumni   ndb - Schema   ndb - Schema   alumni ×

Limit to 1000 rows

```
1 •   SELECT * FROM ndb.alumni;
```

Result Grid | Filter Rows: Edit: Export/Import: Wrap Cell Content:

id	name	email	graduationYear	major	currentWorkingIndustry	description
1	nitheesh	nit@gmail.com	2021	aASDFghj	rdtyfjukl	qwertyuiop
2	jaisurya	terrorist@gmail.com	2030	AI	azure	qwertyuiop bomb
3	mahesh	mahesh@gmail.com	2024	AI	Accenture	i have completed my UG i kec ad currently worki...

EXPLORER   J Main.java 7 ×

J Main.java > ❬ Main > ❬ AlumniDatabase > ⦿ updateAlumni(String name, Alumni updatedAlumni)

```java
  6    public class Main {
 58        static class AlumniDatabase {
 98            public List<Alumni> getAllAlumni() {
103                Statement statement = connection.createStatement();
104                ResultSet resultSet = statement.executeQuery(query)) {
105
106                while (resultSet.next()) {
107                    String name = resultSet.getString("name");
108                    String email = resultSet.getString("email");
109                    String graduationYear = resultSet.getString("gr
110                    String major = resultSet.getString("major");
111                    String currentWorkingIndustry = resultSet.getSt
112                    String description = resultSet.getString("descr
113                    alumniList.add(new Alumni(name, email, graduati
114                }
115            } catch (SQLException e) {
116                System.out.println("Error retrieving alumni: " + e.getMessage());
117            }
118            return alumniList;
119        }
120
121        // Method to search alumni by name
122        public Alumni searchAlumni(String name) {
123            String query = "SELECT * FROM Alumni WHERE name = ?";
124
125            try (Connection connection = DriverManager.getConnection(URL, USER, PASSWORD);
126                 PreparedStatement preparedStatement = connection.prepareStatement(query)) {
127
128                preparedStatement.setString(1, name);
129                ResultSet resultSet = preparedStatement.executeQuery();
130
131                if (resultSet.next()) {
132                    String email = resultSet.getString("email");
133                    String graduationYear = resultSet.getString("graduationYear");
134                    String major = resultSet.getString("major");
135                    String currentWorkingIndustry = resultSet.getString("currentWorkingIndustry");
136                    String description = resultSet.getString("description");
```

Tooltip:
java.lang.Throwable

public String getMessage()

Returns the detail message string of this throwable.

Returns:

the detail message string of this Throwable instance (which may be null).

OPEN EDITORS
× J Main.java   7
NEW FOLDER
J Main.class
J Main.java   7
J Main$Alumni.class
J Main$AlumniDatabas...
mysql-connector-j-9....
≡ trial

> OUTLINE
> TIMELINE
> PROJECTS
> RUN CONFIGURATION

```java
  6   public class Main {
186       public static void main(String[] args) {
221               System.out.println(alumni);
222           }
223           break;
224       case 3:
225           System.out.print("Enter Name to Search: ");
226           String searchName = scanner.nextLine();
227           Alumni foundAlumni = alumniDatabase.searchAlumni(searchName);
228           if (foundAlumni != null) {
229               System.out.println(foundAlumni);
230           } else {
231               System.out.println("Alumni not found.");
232           }
233           break;
234       case 4:
235           System.out.print("Enter Name to Update: ");
236           String updateName = scanner.nextLine();
237           System.out.println("Enter updated details for the alumni:");
238
239           System.out.print("Enter Name: ");
240           String updatedName = scanner.nextLine();
241           System.out.print("Enter Email: ");
242           String updatedEmail = scanner.nextLine();
243           System.out.print("Enter Graduation Year: ");
244           String updatedGraduationYear = scanner.nextLine();
245           System.out.print("Enter Major: ");
246           String updatedMajor = scanner.nextLine();
247           System.out.print("Enter Current Working Industry: ");
248           String updatedIndustry = scanner.nextLine();
249           System.out.print("Enter Description (Paragraph): ");
250           String updatedDescription = scanner.nextLine();
251
252           Alumni updatedAlumni = new Alumni(updatedName, updatedEmail, updatedGraduationYear, updatedMajor, updatedIndustry, updatedDe
253           if (alumniDatabase.updateAlumni(updateName, updatedAlumni)) {
254               System.out.println("Alumni updated successfully.");
255           } else {
```