Java Database Connectivity (JDBC)

```java
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.Scanner
import java.sql.ResultSet;
import java.sql.Statement;
import java.sql.SQLException;
Public class Main {
    Public static void main (String [] args) {
        String fileName = "newFile.txt";
        File file = new File (fileName);

    try {
        Class.forName ("Com.mysql.cj.jdbc.Driver");

    String url = "Jdbc:mysql://localhost:3306/javadb";
    String user = "root";
    String Password = "";
    Connection con = DriverManager.getConnection (url, user, Password);
    Statement stmt = con.CreateStatement ();

    String CreateSQL = "Create Table Student (STU_id iNT,
                        name VARCHAR (50), age iNT,
                        major varchAR (50))";

    stmt.executeUpdate (CreateSQL);
    System.out.Println ("Table Created Successfully");
```

```java
// Insert records into the Table
String insertSQL = "Insert into STudent (STU_id, name, age, major)
values (01, 'Alice Brown', 20, 'Computer Science'), (02,
'Bob Smith', 22, 'Mathematics'), (03, 'Charlie David', 21,
'Physics')";
stmt. executeUpdate (insertSQL);
System.out.println ("Records inserted successfully");

// Update a Student's record

String updateSQL = "Update STudent SET age = 23 WHERE
name = 'bob Smith' ";
stmt. executeUpdate (updateSQL);
System.out.println ("Record updated successfully");

// Delete a Specific Student's record

String deleteSQL = "Delete From STudent where name = 'Charlie
                    David' ";
stmt. executeUpdate (deleteSQL);
System.out.println ("Record deleted successfully");

// Delete all Student's record

String deleteALL SQL = "Delete From STudent";
stmt. executeUpdate (deleteALLSQL);
System.out.println ("All records deleted successfully");

// Display the STudent records ()

stmt. executeUpdate (insertSQL);
String displaySQL = "Select * From STudent";
stmt. executeUpdate (displaySQL);
```

```java
// Alter the Student Table
String alterSQL = "Alter Table Student ADD Column gpa Double";
stmt.executeUpdate(alterSQL);
System.out.println("Table altered successfully");

// Modify the Student Table
String modifySQL = "Alter Table Student Modify Column gpa Decimal (3,2)";
stmt.executeUpdate(modifySQL);
System.out.println("Table modified Successfully"); }
stmt.close();
con.close(); }
catch (Class Not Found Exception | SQLException e) {
   e.printStackTrace(); }}
```