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| JAVA MINI PROJECT CODE |
| <https://jar-download.com/artifacts/org.xerial/sqlite-jdbc/3.27.2.1/source-code>  Download Sql lite and paste into jdk bin folder  Paste all the code inside jdk bin |
| STEP -1 CODE TO CREATE A TABLE |
| import java.sql.\*;  class JdbcEg  {  public static void main(String a[])  {  Connection c=null;  Statement s=null;  try  {  Class.forName("org.sqlite.JDBC");  c=DriverManager.getConnection("jdbc:sqlite:t2.db");    s = c.createStatement();  String sql = "CREATE TABLE emp (UNAME TEXT , " +  " UMAIL TEXT , " +  " UPASS TEXT, " +  " UCOUNTRY TEXT)";  s.executeUpdate(sql);    System.out.println("created");  s.close();  // c.commit();  c.close();  }  catch(Exception e)  {  System.out.println(e);  }  }  }  CODE COMPILE : javac JdbcEg.java  CODE EXECUTION: java -classpath ".;sqlite-jdbc-3.27.2.1.jar" JdbcEg |
| STEP 2 INSERT THE DATA |
| import java.sql.\*;  class JdbcEg2  {  public static void main(String a[])  {  Connection c=null;  Statement s=null;  try  {  Class.forName("org.sqlite.JDBC");  c=DriverManager.getConnection("jdbc:sqlite:t2.db");    String nam="Aab";  int id=105;    String st="insert into emp values ('suju','suju@gm.com','ss','india')";  s=c.createStatement();  s.executeUpdate(st);  System.out.println("Inserted");  c.commit();  System.out.println("Saved");  s.close();  c.close();    }  catch(Exception e)  {  e.getStackTrace();  }  }  }  CODE COMPILE : javac JdbcEg2.java  CODE EXECUTION: java -classpath ".;sqlite-jdbc-3.27.2.1.jar" JdbcEg2 |
| STEP 3 CODE TO EXTRACT THE DATA |
| import javax.swing.\*;  import java.awt.event.\*;  import java.awt.\*;  import java.sql.\*;  public class SwingSearchApp extends JFrame implements ActionListener {  //Initializing Components  JLabel lb, lb1, lb2, lb3, lb4, lb5;  JTextField tf1, tf2, tf3, tf4, tf5;  JButton btn;  //Creating Constructor for initializing JFrame components  SwingSearchApp() {  //Providing Title  super("Fetching Student Information");  lb5 = new JLabel("Enter Name:");  lb5.setBounds(20, 20, 100, 20);  tf5 = new JTextField(20);  tf5.setBounds(130, 20, 200, 20);  btn = new JButton("Submit");  btn.setBounds(50, 50, 100, 20);  btn.addActionListener(this);  lb = new JLabel("Fetching Student Information From Database");  lb.setBounds(30, 80, 450, 30);  lb.setForeground(Color.red);  lb.setFont(new Font("Serif", Font.BOLD, 20));  setVisible(true);  setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE);  setSize(500, 500);  lb1 = new JLabel("U\_Name:");  lb1.setBounds(20, 120, 100, 20);  tf1 = new JTextField(50);  tf1.setBounds(130, 120, 200, 20);  lb2 = new JLabel("U\_Mail:");  lb2.setBounds(20, 150, 100, 20);  tf2 = new JTextField(100);  tf2.setBounds(130, 150, 200, 20);  lb3 = new JLabel("U\_Pass:");  lb3.setBounds(20, 180, 100, 20);  tf3 = new JTextField(50);  tf3.setBounds(130, 180, 200, 20);  lb4 = new JLabel("U\_Country:");  lb4.setBounds(20, 210, 100, 20);  tf4 = new JTextField(50);  tf4.setBounds(130, 210, 100, 20);  setLayout(null);  //Add components to the JFrame  add(lb5);  add(tf5);  add(btn);  add(lb);  add(lb1);  add(tf1);  add(lb2);  add(tf2);  add(lb3);  add(tf3);  add(lb4);  add(tf4);  //Set TextField Editable False  tf1.setEditable(false);  tf2.setEditable(false);  tf3.setEditable(false);  tf4.setEditable(false);  }  public void actionPerformed(ActionEvent e) {  //Create DataBase Coonection and Fetching Records  try {  String str = tf5.getText();  Class.forName("org.sqlite.JDBC");  Connection con = DriverManager.getConnection("jdbc:sqlite:t2.db");  PreparedStatement st = con.prepareStatement("select \* from emp where uname=?");  st.setString(1, str);  //Excuting Query  ResultSet rs = st.executeQuery();  if (rs.next()) {  String s = rs.getString(1);  String s1 = rs.getString(2);  String s2 = rs.getString(3);  String s3 = rs.getString(4);  //Sets Records in TextFields.  tf1.setText(s);  tf2.setText(s1);  tf3.setText(s2);  tf4.setText(s3);  } else {  JOptionPane.showMessageDialog(null, "Name not Found");  }  //Create Exception Handler  } catch (Exception ex) {  System.out.println(ex);  }  }  //Running Constructor  public static void main(String args[]) {  new SwingSearchApp();  }  }  To compile  javac SwingSearchApp.java  To execute  java -classpath ".;sqlite-jdbc-3.27.2.1.jar" SwingSearchApp |