Appendix G: Connecting to Database

```
public class WriteQueriesToDB_edit {// for sqllite
	private static String connectionUrl ="C:/Users/u180384/IR/sqlite/EClef.db";
	// point to the right database

	// Declare the JDBC objects.
	private Connection con;
	private Statement stmt;
	private ResultSet rs;

	public WriteQueriesToDB_edit(String queriesTableName) {
	//called queries in the other class

		// Instantiate the JDBC objects.
		con = null;
		stmt = null;
		rs = null;
	try {
		//Establish the connection to sqllite server
		Class.forName("org.sqlite.JDBC");
		con = DriverManager.getConnection("jdbc:sqlite:" + connectionUrl);

		String sql = "CREATE TABLE if not exists " + queriesTableName +
		"(queryNum STRING, queryTerms STRING) ";
		//Create the SQL query with table name, and terms + query as columns

			Statement stat = con.createStatement();
			//connect to the database
			stat.execute(sql);
		} catch (Exception e) {
			e.printStackTrace();
		}
		finally {
			if (rs != null)
				try {
					rs.close();
				} catch (Exception e) {
				}
			if (stmt != null)
				try {
					stmt.close();
				} catch (Exception e) {
				}
			if (con != null)
				try {
					con.close();
				} catch (Exception e) {
			}
		}
	}
```

Synopsis of what happens:

- Declare objects, also need JSoup jar to use methods here.
- Connect to the database specified with Drivermanager.getconnection().
- Create SQL statement with passed arguments for tables and columns named here.
- Create statement and pass SQL string into statement and execute with .execute method.