```
bash: sqlite-jdbc-3.39.3.0.jar command not found
~/Downloads/forritun> java -cp .:sqlite-jdbc-3.39.3.0.jar v8a
Avg salary = 38600
~/Downloads/forritun> javac v8a.java
~/Downloads/forritun> javac v8b.java
~/Downloads/forritun> javac v8c.java
~/Downloads/forritun> java -cp .:sqlite-jdbc-3.39.3.0.jar v8a
Avg salary = 35125
~/Downloads/forritun> java -cp .:sqlite-jdbc-3.39.3.0.jar v8b
~/Downloads/forritun> java -cp .:sqlite-jdbc-3.39.3.0.jar v8a
Avg salary = 35325
~/Downloads/forritun> java -cp .:sqlite-jdbc-3.39.3.0.jar v8c
~/Downloads/forritun> java -cp .:sqlite-jdbc-3.39.3.0.jar v8a
Avg salary = 36384
~/Downloads/forritun>
```

```
75 errors
~/Downloads/forritun> javac JDBC1.java
~/Downloads/forritun> java -cp .:sqlite-jdbc-3.39.3.0.jar JDBC1
Enter a Social Security Number: 888665555
Borg 56856.0
~/Downloads/forritun>
```

```java
import java.io.*;
import java.sql.*;
import java.util.Scanner;

public class V8a
{
    public static void main( String[] args )
        throws Exception
    {
        Connection conn;
        try
        {
            // Reynum fyrst PostgreSQL
            Class.forName("org.postgresql.Driver"); // fyrir PostgreSQL
            java.util.Properties props = new java.util.Properties();
            props.setProperty("user",args[0]);
            props.setProperty("password",args[1]);
            conn =
DriverManager.getConnection("jdbc:postgresql:COMPANY",props);
        }
        catch( Exception e )
        {
            // H�ldum bara �fram og reynum SQLite
            try
            {
                Class.forName("org.sqlite.JDBC");        // fyrir SQLite
                conn = DriverManager.getConnection("jdbc:sqlite:company.db");
            }
            catch( Exception e2 )
            {
                // H�ldum �fram og reynum ODBC
                conn = DriverManager.getConnection("jdbc:odbc:COMPANY");
            }
        }
        Statement statement = conn.createStatement();
        ResultSet rs=statement.executeQuery("select AVG(Salary) from
EMPLOYEE");
        while(rs.next())
        {
            System.out.println("Average salary is " + rs.getInt(1));
        }
        rs.close();
    }
}
```

```java
import java.io.*;
import java.sql.*;
import java.util.Scanner;

public class V8b
{
    public static void main( String[] args )
        throws Exception
    {

        Connection conn;
        try
        {
            Class.forName("org.postgresql.Driver"); // fyrir PostgreSQL
            java.util.Properties props = new java.util.Properties();
            props.setProperty("user",args[0]);
            props.setProperty("password",args[1]);
            conn =
DriverManager.getConnection("jdbc:postgresql:COMPANY",props);
        }
        catch( Exception e )
        {
            try
            {
                Class.forName("org.sqlite.JDBC");        // fyrir SQLite
                conn = DriverManager.getConnection("jdbc:sqlite:company.db");
            }
            catch( Exception e2 )
            {
                // H�ldum �fram og reynum ODBC
                conn = DriverManager.getConnection("jdbc:odbc:COMPANY");
            }
        }
        String stmt1 = "select ssn from EMPLOYEE";
        Statement s = conn.createStatement();
        ResultSet rs = s.executeQuery(stmt1);
        String stmt2 = "UPDATE EMPLOYEE SET Salary = Salary + 200 where Ssn =
?";
        PreparedStatement ps = conn.prepareStatement(stmt2);
        while(rs.next())
        {
            ps.clearParameters();
            ps.setInt(1, rs.getInt(1));
            ps.executeUpdate();
        }
        rs.close();
        conn.close();
    }
}
```

```java
import java.io.*;
import java.sql.*;
import java.util.Scanner;
public class V8c
{
    public static void main( String[] args )
        throws Exception
    {
        Connection conn;
        try
        {
            // Reynum fyrst PostgreSQL
            Class.forName("org.postgresql.Driver"); // fyrir PostgreSQL
            java.util.Properties props = new java.util.Properties();
            props.setProperty("user",args[0]);
            props.setProperty("password",args[1]);
            conn =
DriverManager.getConnection("jdbc:postgresql:COMPANY",props);

        }
        catch( Exception e )
        {
            try
            {
                Class.forName("org.sqlite.JDBC");        // fyrir SQLite
                conn = DriverManager.getConnection("jdbc:sqlite:company.db");
            }
            catch( Exception e2 )
            {
                conn = DriverManager.getConnection("jdbc:odbc:COMPANY");
            }
        }
        Statement statement = conn.createStatement();
        ResultSet rs=statement.executeQuery("select AVG(Salary) from
EMPLOYEE");
        while(rs.next())
        {
            System.out.println("Average salary is " + rs.getInt(1));
        }
        rs.close();

    double Salary;
            String stmt = ("UPDATE EMPLOYEE SET Salary = Salary * 1.03");
            Statement p = conn.createStatement();
            p.executeUpdate(stmt);

    }
}
```