

```
package co.hjort.embpg;

import java.io.IOException;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;

import ru.yandex.qatools.embed.postgresql.PostgresExecutable;
import ru.yandex.qatools.embed.postgresql.PostgresProcess;
import ru.yandex.qatools.embed.postgresql.PostgresStarter;
import ru.yandex.qatools.embed.postgresql.config.PostgresConfig;

public class PostgresEmbedded
{
    public static void main( String[] args )
    {
        PostgresEmbedded app = new PostgresEmbedded();
        try {
            app.start();
        } catch (IOException e) {
            e.printStackTrace();
        } catch (SQLException e) {
            e.printStackTrace();
        }
    }

    private void start() throws IOException, SQLException {
        // starting Postgres
        PostgresStarter<PostgresExecutable, PostgresProcess> runtime =
PostgresStarter.getDefaultInstance();
        final PostgresConfig config = PostgresConfig.defaultWithDbName("test");
        PostgresExecutable exec = runtime.prepare(config);
        PostgresProcess process = exec.start();

        // connecting to a running Postgres
        String url = String.format("jdbc:postgresql://%s:%s/%s", config.net().host(), config.net
().port(), config.storage().dbName());
        System.out.println("url = " + url);
        Connection conn = DriverManager.getConnection(url);

        // feeding up the database
        conn.createStatement().execute("CREATE TABLE films (code char(5))");
        conn.createStatement().execute("INSERT INTO films VALUES ('movie')");
        conn.createStatement().execute("INSERT INTO films VALUES ('filme')");
        conn.createStatement().execute("INSERT INTO films VALUES ('pelic')");

        // performing some queries
        final Statement statement = conn.createStatement();
        statement.execute("SELECT * FROM films");
        ResultSet rs = statement.getResultSet();
        System.out.println("MOVIES:");
        while (rs.next()) {
            System.out.println("- " + rs.getString(1));
        }
        rs.close();

        // stopping Postgres
        conn.close();
        process.stop();
    }
}
```