

Step2: Here we use `Maven` to manager dependencies. If there has version conflict with local configuration, please change the detail in file `pom.xml`.

Step3: Import package and set connection information

```
import com.alibaba.druid.pool.DruidDataSource;

...

dataSource.setDriverClassName("org.postgresql.Driver");
    dataSource.setUsername("User");// replace "User" by your User name
    dataSource.setPassword("pwd");
    //replace "pwd" by your Password
    dataSource.setUrl("jdbc:postgresql://localhost:5432/postgres");
```

Step4: get connection and check the connection statement

```
Connection connection = dataSource.getConnection();
    System.out.println(connection.getClass().getName());
```

Test 2: set some parameters of pool, and discuss some inner mechanism

- inner proxy mechanism *(just 4 taking a look)
- set some parameters of pool, `initialPoolSize`, `MaxPoolSize`

```
dataSource.setInitialSize(1);
dataSource.setMaxActive(1);
```

Test3: Get Statement of pool ,

- Three Number of Connection in Pool, `Busy`, `Idle`, `NumConnection`

```
public static void poolStatus(ComboPooledDataSource dataSource) {
    try {
        System.out.println("Busy Num " +
            dataSource.getNumBusyConnections());
        System.out.println("Idle Num" + dataSource.getNumIdleConnections());
        System.out.println("All Num" + dataSource.getNumConnections());
    } catch (SQLException e) {
        e.printStackTrace();
    }
}
```

Test4: Simple Query using pooling technique

```
// insert
String sql_insert = ".....";
try {
    PreparedStatement ps_insert = connection.prepareStatement(sql_insert);
    ps_insert.executeLargeUpdate();
    poolStatus(dataSource);
} catch (Exception e){
    e.printStackTrace();
}
```