**Apache Poi**

1. **Read and Write Excel file:**

To Read and Write excel files in Apache Poi, we use Apache Poi version **3.17**.  
After creating a new Maven project in IntelliJ, we add these lines of code into file **pom.xml** to install Apache Poi version 3.17:

Text

Description automatically generated

* **Read from .xlsx file:**

There’s a file called **input\_xlsx.xlsx** (inside folder **inputFiles**):

Graphical user interface, application, table

Description automatically generated

Then running this code in IntelliJ (**ReadXLSX.java**):

Text

Description automatically generated

This is the result we will get in console window:

A picture containing text, electronics

Description automatically generated

* **Write to .xlsx file:**

Run this code in IntelliJ (**WriteXLSX.java**):

Text

Description automatically generated

Open **output\_xls.xls**:

Graphical user interface, application, table, Excel

Description automatically generated

1. **Read .xlsx file protected with password:**

To open **.xlsx** files protected with password, we use Apache Poi version **4.0.0**.   
After creating a new Maven project in IntelliJ, add these lines of code into file **pom.xml** to install Apache Poi version 4.0.0:

Text

Description automatically generated

There’s a file called **check\_password.xlsx** (inside folder **inputFiles**), with password to open is **abc123**

Graphical user interface, application, table, Excel

Description automatically generated

Then running this code in IntelliJ (**ReadXLSXPassword.java**):

Text

Description automatically generated

Text

Description automatically generated

Text

Description automatically generated

This is the result we will get in console window:

Graphical user interface, text

Description automatically generated

If we enter an incorrect password, such as **abcd1234**:



The console window will show **Incorrect password** error:

Graphical user interface, text

Description automatically generated