Mastering Packages and Modules in Java

https://www.youtube.com/playlist?list=PLzrb6iZd6X9JHUnQXBvp9KScKDYWZ0js3

Module Commands

1. Create a Folder by the name "**in.vedisoft.mymodule**"

2. Within **"in.vedisoft.mymodule"** folder create a file **"module-info.java"**

module in.vedisoft.mymodule {

*   requires java.desktop;*

*   exports in.vedisoft.payroll;*

}

3. Copy the first example within **"in.vedisoft.mymodule"** folder

4. Compiling a Java Module

javac -d out --module-source-path . --module in.vedisoft.mymodule

5. Running a Java Module

java --module-path out --module in.vedisoft.mymodule/in.vedisoft.payroll.MainProg

6. Building Module Jar File (with main class)

jar -c -–file=out/in-vedisoft-mymodule.jar --main-class=in.vedisoft.payroll.MainProg –C out/in.vedisoft.mymodule .

7. Running Jar File (without main class set)

java -jar out/in-vedisoft-mymodule.jar

8. Packaging a Java Module as a Standalone Application

jlink --module-path "out;C:\Program Files\Java\jdk-22\jmods" --add-modules in.vedisoft.mymodule --output out-standalone

9. Running the Standalone Application

cd out-standalone\bin

java -–module in.vedisoft.mymodule/in.vedisoft.payroll.MainProg