Introduction to Java for C++ Programmers

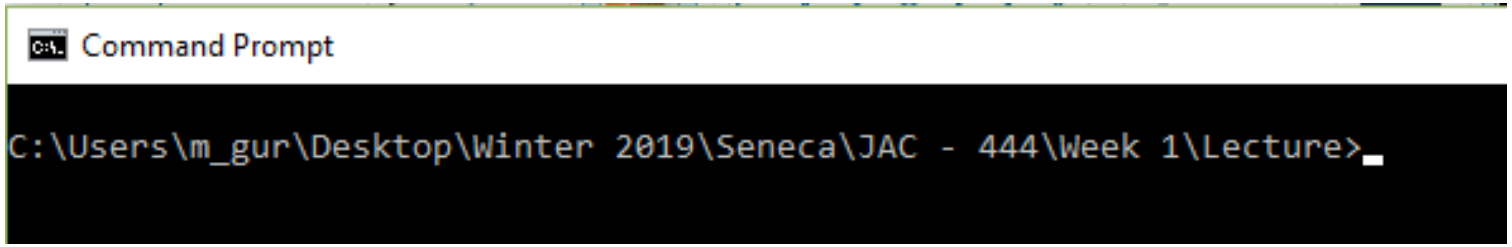
Segment - 4

JAC 444

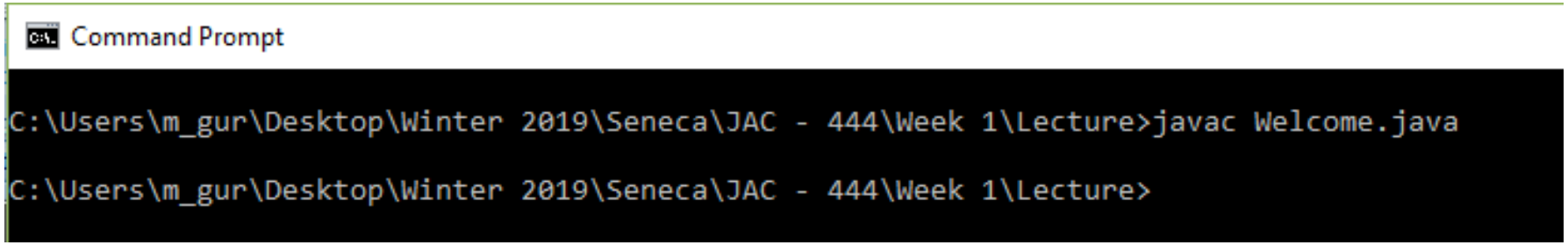
By: Mahboob Ali

Through Command Prompt

- Start *Command Prompt*.
- Navigate to the folder that holds your class files:



- Compile your class(es):



- Create a manifest file and your jar file:

```
echo Main-Class: Welcome >manifest.txt
```

```
C:\Users\m_gur\Desktop\Winter 2019\Seneca\JAC - 444\Week 1\Lecture>jar cvfm Welcome.jar manifest.txt *.class
added manifest
adding: Welcome.class(in = 432) (out= 294)(deflated 31%)
```

OR

```
C:\Users\m_gur\Desktop\Winter 2019\Seneca\JAC - 444\Week 1\Lecture>jar -cvfe Welcome.jar Welcome *.class
added manifest
adding: Welcome.class(in = 432) (out= 294)(deflated 31%)
```

Test Your Jar file

```
C:\Users\m_gur\Desktop\Winter 2019\Seneca\JAC - 444\Week 1\Lecture>java -jar Welcome.jar
Welcome to Java Jar file
```

- Let's briefly review/explain the JAR tool options we have used:
  c: indicates we want to create a new JAR file.

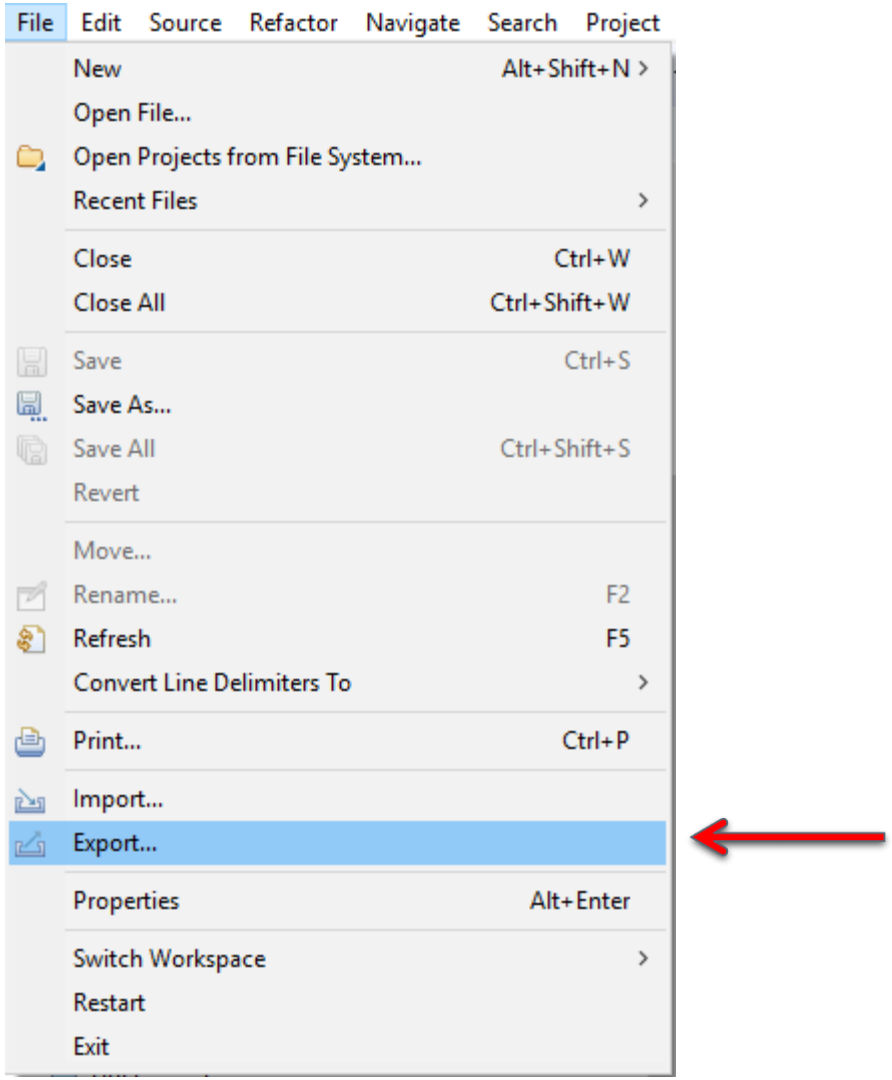
  v: generates verbose output to standard output.

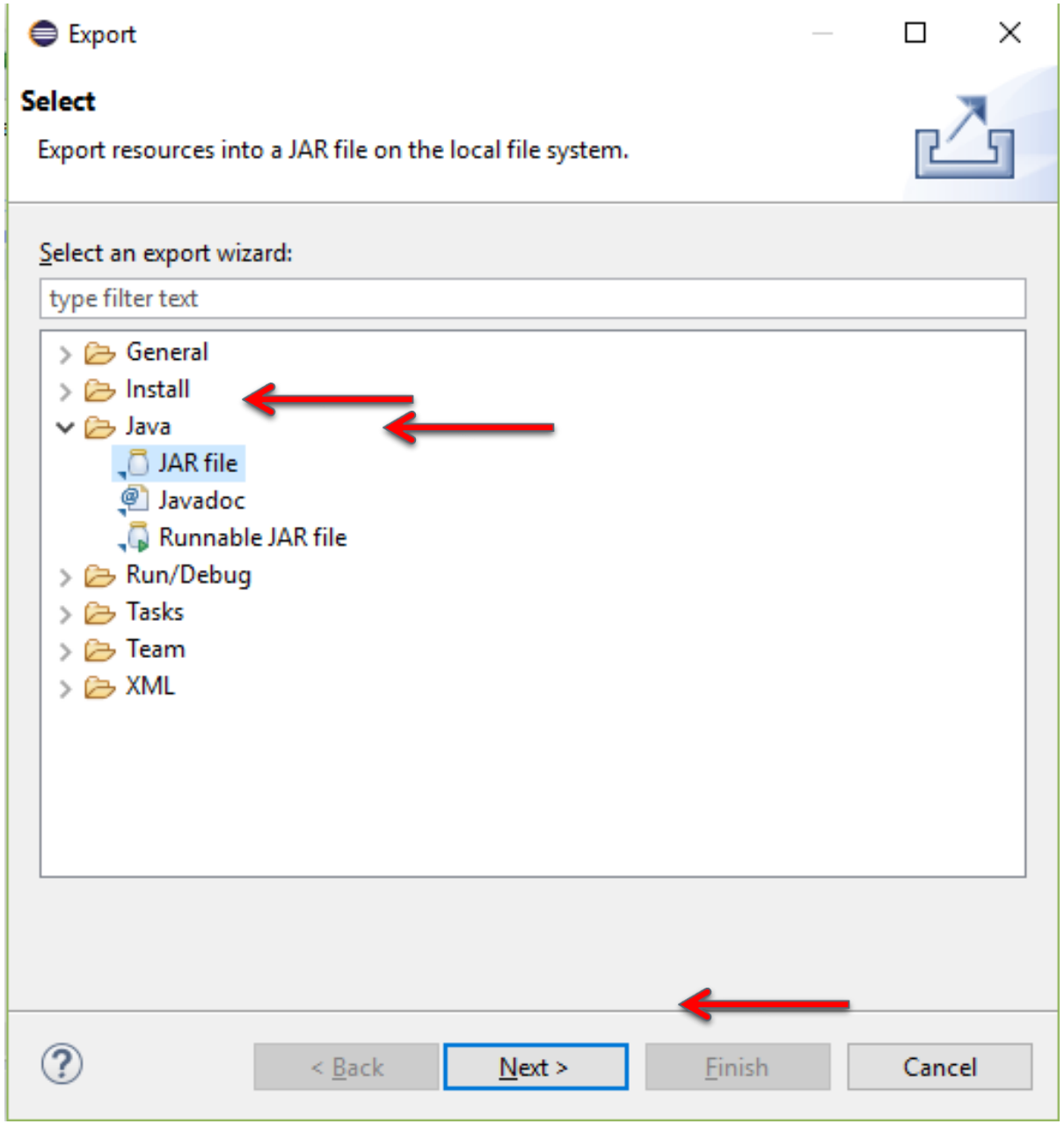
  f: specifies the *jarfile* to be created.

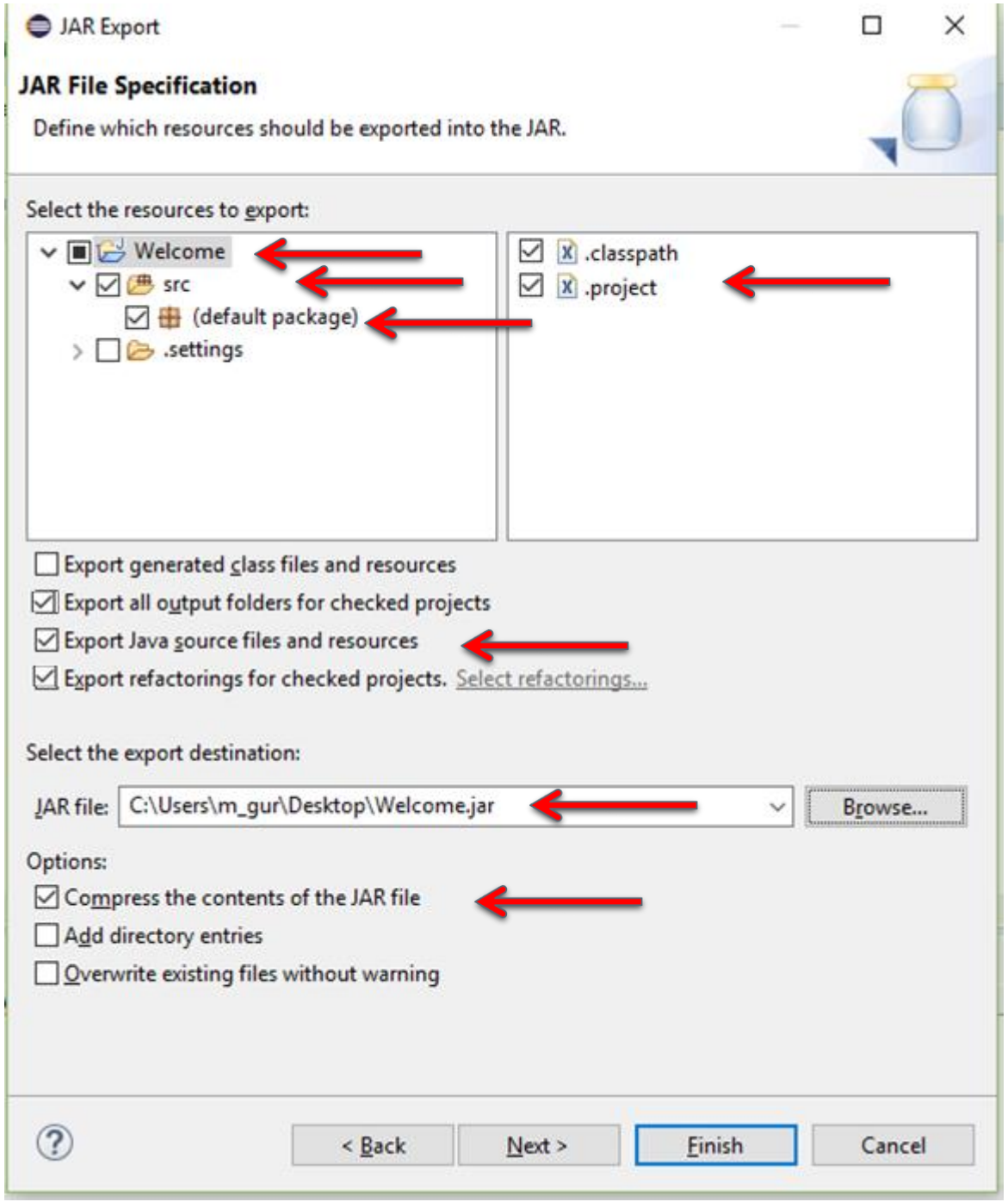
  m: indicates the manifest file we use.

The manifest file includes name-value pairs.
-C: indicates temporary changes to the directory.
Classes are added from this directory to the JAR file.

Using Eclipse




Export
Select
Export resources into a JAR file on the local file system.
Select an export wizard:
type filter text
General
Install
Java
JAR file
Javadoc
Runnable JAR file
Run/Debug
Tasks
Team
XML
< Back
Next >
Finish
Cancel


JAR Export
JAR File Specification
Define which resources should be exported into the JAR.
Select the resources to export:
Welcome
src
(default package)
.settings
.classpath
.project
Export generated class files and resources
Export all output folders for checked projects
Export Java source files and resources
Export refactorings for checked projects. Select refactorings...
Select the export destination:
JAR file:
C:\Users\m_gur\Desktop\Welcome.jar
Browse...
Options:
Compress the contents of the JAR file
Add directory entries
Overwrite existing files without warning
< Back
Next >
Finish
Cancel