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# Creating an executable for Windows

## Part 1: Creating a JAR file

Once your Java project is created:

1. Go to File, then Project Structure
2. Then select Artifacts
3. Press the plus (+) icon
4. Select JAR, then From modules with dependencies
5. Where it says Main Class. Click the folder icon and select your main method
  - NOTE:
    - Make sure to select the Extract to the target JAR option under JAR files from libraries
6. Click OK, the jar file as now been created in your folder.
7. Click OK again.
8. Go to Build, then Build Artifacts
9. Select the artifact that you want to build, then click Build
  - NOTE:
    - The JAR file will now be saved under the folder called out under artifacts

## Part 2: Converting a JAR file to a .exe file

Once you have created your JAR file:

1. Search on your internet browser and search for Launch4j
  - This will help to convert the JAR file
2. Click on Download, which will redirect you to a page called Launch4j Executable Wrapper Files
3. Then download the file that suits your operating system.
4. Once downloaded, open that .exe file a tab will open
5. There are 2 required fields that must be filled:
  - Output file:
    - i. Select the path where you want to generate an .exe file
      - NOTE:
        - Please put .exe at the end of the path, otherwise it will show an error message
    - ii. Select the path where the JAR file is saved.
6. Click the gear icon at the top of the tab
7. It will ask for an XML file to save to
8. Your .exe file is now created