

Setup ANTLR

- Have atleast Java 1.7
- Install ANTLR Jar File
 - <https://www.antlr.org/download/antlr-4.9.2-complete.jar>
- copy the downloaded tool where you usually put third-party java libraries (ex. /usr/local/lib or C:\Program Files\Java\libs)
- add the tool to your CLASSPATH. Add it to your startup script (ex. .bash_profile)
- (optional) add also aliases to your startup script to simplify the usage of ANTLR

Executing the instructions on Linux/Mac OS

```
1.  # 1.
2.  sudo cp antlr-4.9.2-complete.jar /usr/local/lib/
3.  # 2. and 3.
4.  # add this to your .bash_profile
5.  export CLASSPATH=".:usr/local/lib/antlr-4.9.2-complete.jar:$CLASSPATH"
6.  # simplify the use of the tool to generate lexer and parser
7.  alias antlr4='java -Xmx500M -cp "/usr/local/lib/antlr-4.9.2-
  complete.jar:$CLASSPATH" org.antlr.v4.Tool'
8.  # simplify the use of the tool to test the generated code
9.  alias grun='java -Xmx500M -cp "/usr/local/lib/antlr-4.9.2-
  complete.jar:$CLASSPATH" org.antlr.v4.gui.TestRig'
```

[Raw](#)[Copy](#)

Executing the instructions on Windows

1. // 1. Copy antlr-4.9.2-complete.jar in C:\Program Files\Java\libs (or wherever you prefer)
2. // 2. Append the location of ANTLR to the CLASSPATH variable on your system, or create a CLASSPATH variable if you have not done so before
3. // you can do to that by pressing WIN + R and typing sysdm.cpl, then selecting Advanced (tab) > Environment variables > System Variables
4. // CLASSPATH -> .;C:\Program Files\Java\libs\antlr-4.9.2-complete.jar;%CLASSPATH%
5. // 3. Add aliases
6. // create antlr4.bat
7. `java org.antlr.v4.Tool %*`
8. // create grun.bat
9. `java org.antlr.v4.gui.TestRig %*`
10. // put them in the system PATH or any of the directories included in your PATH