

What does the JVM do with my code?

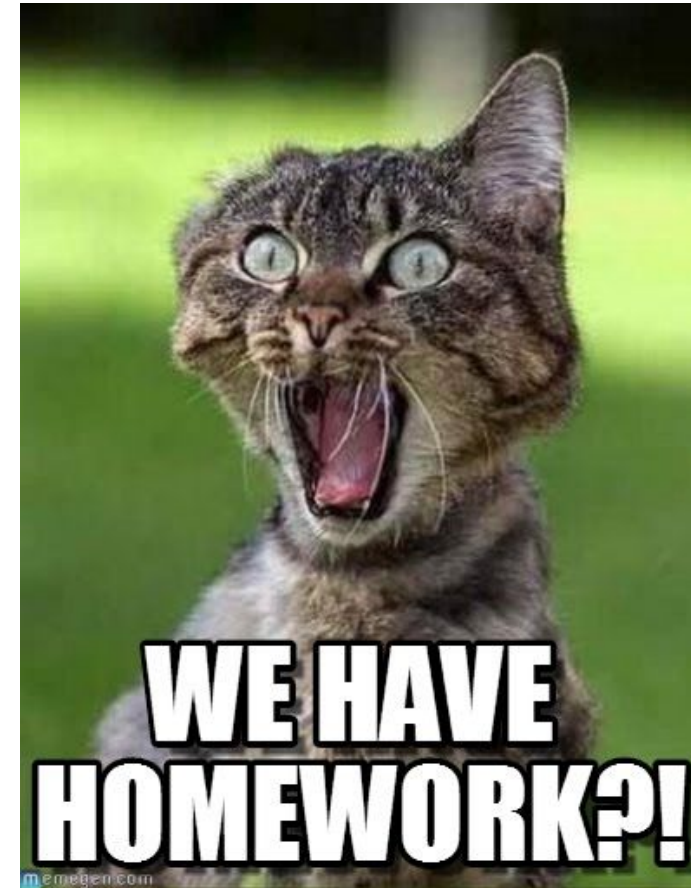
Manas Thakur

PACE Lab, IIT Madras



Homework: Build OpenJDK on a Linux machine

- Install dependencies:
 - mercurial, alsa, freetype, cups, xrender, g++, java
- Clone OpenJDK sources:
 - `hg clone http://hg.openjdk.java.net/jdk8/jdk8 YourOpenJDK`
 - `cd YourOpenJDK`
 - `bash ./get_source.sh`
- Configure and build (will take about half an hour):
 - `bash ./configure`
 - `make images`
- Test the new Java binaries:
 - `YourOpenJDK/build/linux-*-release/images/j2sdk-image/bin/javac -version`
 - `YourOpenJDK/build/linux-*-release/images/j2sdk-image/bin/java -version`



(For details, visit: hg.openjdk.java.net/build-infra/jdk8/raw-file/tip/README-builds.html)



Homework-2: Abra-ca-dabra

- Install a hex-editor (say GNOME Hex or Bless).
- Open a .class file with the hex editor.
- Find out the magic number (recall? first 4 bytes).
- Check it for some other .class files.
- If you find something interesting, Google it and let me know.

