

# Neocis Software Assessment

## Development Environment

- Programming Language: Java
- Integrated Development Environment: Eclipse
- Operating System: macOS High Sierra

## Instruction of Compiling and Executing the application

- **jar file containing the source code is named:**  
*rong\_fan\_software\_assessment.jar*
- Run it from the command line.
  - Change current directory to the location of the document, for example:  
`cd /Users/fanrong/Desktop/Neocis`
  - Uncompress file:  
`jar xf rong_fan_software_assessment.jar`
    - The uncompressed project directory structure will look like following:

```
Part1
|--GridUpdate.java
|--Makefile
|--PartOne.java
|--ResultType.java

Part2
|--Coordinate.java
|--DrawCircle.java
|--Makefile
|--PanelTwo.java
|--PartTwo.java
|--ResultType.java
```
  - Compile:  
Go to the directory of Part1  
`cd Part1`  
Compile the files using “make”:  
`make`  
Back to the previous directory and compile Part2 in the same way:  
`cd ..`  
`cd Part2`  
`make`  
Back to the previous directory after compiling  
`cd ..`
  - Run part 1:  
`java Part1.PartOne`
  - Run part 2:  
`java Part2.PartTwo`