Installing Jenkins in AWS EC2 Virtual Machine

* Sign up for AWS free-tier account, if necessary
* Sign into AWS console
* Switch to London region
* Create a key pair (ppk format if using Windows to access the VM, else pem format for Mac)
* Keep the downloaded ppk / pem file safe!
* Create a security group
  + Inbound public access from any IP address for port 80 (HTTP)
  + Inbound public access from any IP address for port 8080 (Custom TCP)
  + Inbound access to SSH (port 22) from your own IP address
* Launch a new EC2 instance, using Ubuntu 20.4 LTS image
  + Micro-t2 (free-tier)
  + VPC = default VPC for your region
  + Security group = one you just created (22/80/8080)
  + Make note of public DNS
* Install Putty (Windows)
* Connect to EC2 using Putty
  + IP address = DNS of EC2 instance
  + Auth = PPK file downloaded above
  + Username = ubuntu
* Get all applications up-to-date
  + sudo apt upgrade
* Install Java
  + sudo apt install openjdk-8-jre
* Install Jenkins
  + wget -q -O - https://pkg.jenkins.io/debian-stable/jenkins.io.key | sudo apt-key add -
  + sudo echo "deb https://pkg.jenkins.io/debian-stable binary/" >> /etc/apt/sources.list
  + sudo apt-get update
  + sudo apt-get install jenkins
* Start Jenkins running as a service
  + sudo service jenkins start
* Browse to Jenkins from your actual computer
  + http://<jenkins-server-public-dns>:8080
* Unlock the Jenkins server
  + cat <location-of-password-log-file>
  + Copy and paste password into web page
* Complete remaining setup (as for local setup)...