Prerequisites for **Rise of the Containers** training

1. Install Kubernetes command line
    a. brew install kubectl (k8s command line client tool)
2. Install Minikube using brew (you need **VirtualBox installed**)
    a. brew cask install minikube (minikube version 0.26.1)
    b. minikube start --memory 6000 --cpus=4 (open VirtualBox and see minikube instance running, first time it can take upto 10-15 min)
3. Verify minikube and kubectl working fine using following command
    a. kubectl run -i --tty busybox --image=busybox -- sh (you will see a linux prompt as # or $)
    b. ctrl + d (exit)
4. Install Docker Client
    a. brew install docker (install docker client)
5. On terminal and run following commands
    a. eval $(minikube docker-env)
    b. docker images (empty list)
    c. docker pull openjdk (download default java image from docker hub)
    d. docker pull openjdk:slim (download another java image)
    e. docker pull openjdk:alpine (download another java image)
    f. docker pull mongo (download mongodb image)
    g. docker images (should see above 4 images in list)
6. Stop Minikube cluster running on VirtualBox
    a. minikube stop
7. Download/clone sample project repo and run test
    a. git clone git@github.com:singhsurjeet/metadata-service.git (clone repo from github)
    b. mvn clean test (run tests and see everything is working on local, you need **Java 8+ and Maven installed**)
        i. brew cask install java8 **or** brew cask install java
        ii. brew install maven
    c. mvn spring-boot:run (starting application locally)
    d. curl http://localhost:8080/actuator/info (checking if all is running fine

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