# YAML files

1. Create a list of values uno, due, tre
2. Create a map of values cucumber -> green, plum -> purple, apple -> red
3. Create a map of list with values Hulk -> (Bruce, Banner), Black Widow -> (Natasha, Romanoff), Spider-Man -> (Peter, Parker)
4. Use a specification for multiline-command pod:

# yaml/pod-test-command.yaml  
apiVersion: v1  
kind: Pod  
metadata:  
 name: pod-test-command  
spec:  
 containers:  
 - name: busybox-container  
 image: busybox  
 imagePullPolicy: IfNotPresent  
 command:  
 - /bin/sh  
 - -c  
 - echo Put commands here  
 restartPolicy: Never

1. Run the Pod and check its logs:

$ kubectl create -f yaml/pod-test-command.yaml  
pod/pod-test-command created  
  
$ kubectl logs pod-test-command  
Put commands here  
  
$ kubectl delete pod pod-test-command  
pod "pod-test-command" deleted

1. Create a block containing the following commands (no new line at the end):

echo Start  
for i in 1 2 3; do  
 echo In Progress $i...  
 sleep 1  
done  
echo Finish

and paste it in your pod instead of echo Fix me message. You should see the following message during the Pod execution:

$ kubectl logs pod-test-command  
Start  
In Progress 1...  
In Progress 2...  
In Progress 3...  
Finish

## Solution

1. Create a list of values uno, due, tre

- uno  
- due  
- tre

1. Create a map of values cucumber -> green, plum -> purple, apple -> red

cucumber: green  
plum: purple  
apple: red

1. Create a map of list with values Hulk -> (Bruce, Banner), Black Widow -> (Natasha, Romanoff), Spider-Man -> (Peter, Parker)

Hulk:  
 - Bruce  
 - Banner  
Black Widow:  
 - Natasha  
 - Romanoff  
Spider-Man: ["Peter", "Parker"]

1. Updated specification:

apiVersion: v1  
kind: Pod  
metadata:  
 name: pod-test-command  
spec:  
 containers:  
 - name: busybox-container  
 image: busybox  
 imagePullPolicy: IfNotPresent  
 command:  
 - /bin/sh  
 - -c  
 - |-  
 echo Start  
 for i in 1 2 3; do  
 echo In Progress $i...  
 sleep 1  
 done  
 echo Finish  
 restartPolicy: Never

1. Run the Pod and check its logs:

$ kubectl create -f yaml/pod-test-command.yaml  
pod/pod-test-command created  
  
$ kubectl logs pod-test-command  
Start  
In Progress 1...  
In Progress 2...  
In Progress 3...  
Finish  
  
$ kubectl delete pod pod-test-command  
pod "pod-test-command" deleted

1. Create a block containing the following commands (no new line at the end):

echo Start  
for i in 1 2 3; do  
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and paste it in your pod instead of echo Fix me message. You should see the following message during the Pod execution:

$ kubectl logs pod-test-command  
Start  
In Progress 1...  
In Progress 2...  
In Progress 3...  
Finish