

1- How many Namespaces exist on the system?

2- How many pods exist in the `kube-system` namespace?

3- Create a deployment with

    Name: `beta`

    Image: `redis`

    Replicas: `2`

    Namespace: `finance`

    Resources Requests:

        CPU: `.5 vcpu`

        Mem: `1G`

    Resources Limits:

        CPU: `1 vcpu`

        Mem: `2G`

4- How many Nodes exist on the system?

(

from 5 to 7 do them on below cluster

<https://www.katacoda.com/courses/kubernetes/playground>

)

5- Do you see any taints on `master`?

6- Apply a label `color=blue` to the master node

7- Create a new deployment named `blue` with the `nginx` image and 3 replicas

    Set Node Affinity to the deployment to place the pods on `master` only

    NodeAffinity: `requiredDuringSchedulingIgnoredDuringExecution`

    Key: `color`

    values: `blue`