LAB 2

Q1:

```
salmamyoussef@salmamyoussef-Satellite-C55-B:~/Documents/ITI-devops/Kubernates/lab1$ kubectl apply -f my
replica.yaml
replicaset.apps/new-replica-set created
salmamyoussef@salmamyoussef-Satellite-C55-B:~/Documents/ITI-devops/Kubernates/lab1$
```

Q2:

```
salmamyoussef@salmamyoussef-Satellite-C55-B:~/Documents/ITI-devops/Kubernates/lab1$ kubectl get rs
NAME              DESIRED   CURRENT   READY   AGE
new-replica-set   4         4         0       13m
salmamyoussef@salmamyoussef-Satellite-C55-B:~/Documents/ITI-devops/Kubernates/lab1$
```

Q3:

```
salmamyoussef@salmamyoussef-Satellite-C55-B:~/Documents/ITI-devops/Kubernates/lab1$ kubectl describe rs
Name:         new-replica-set
Namespace:    default
Selector:     name=busybox-pod
Labels:       <none>
Annotations:  <none>
Replicas:     4 current / 4 desired
Pods Status:  0 Running / 4 Waiting / 0 Succeeded / 0 Failed
Pod Template:
  Labels:  name=busybox-pod
  Containers:
   busybox-container:
    Image:        busybox777
    Port:         <none>
    Host Port:    <none>
    Command:
      sh
      -c
      echo Hello Kubernetes! && sleep 3600
    Environment:  <none>
    Mounts:        <none>
```

Q4:

```
salmamyoussef@salmamyoussef-Satellite-C55-B:~/Documents/ITI-devops/Kubernates/lab1$ kubectl get rs
NAME              DESIRED   CURRENT   READY   AGE
new-replica-set   4         4         0       13m
salmamyoussef@salmamyoussef-Satellite-C55-B:~/Documents/ITI-devops/Kubernates/lab1$
```

Q5:

```
nse from daemon: pull access denied for busybox777, repository does not exist or may require 'docker login': denied: requested access to the r
esource is denied
  Warning  Failed     16m (x4 over 18m)    kubelet              Error: ErrImagePull
  Warning  Failed     15m (x6 over 18m)    kubelet              Error: ImagePullBackOff
  Normal   BackOff    3m18s (x58 over 18m) kubelet              Back-off pulling image "busybox777"
salmamyoussef@salmamyoussef-Satellite-C55-B:~/Documents/ITI-devops/Kubernates/lab1$
```

Q6:

salmamyoussef@salmamyoussef-Satellite-C55-B:~/Documents/ITI-devops/Kubernates/lab1$ kubectl delete pod new-replica-set-dc756
pod "new-replica-set-dc756" deleted
salmamyoussef@salmamyoussef-Satellite-C55-B:~/Documents/ITI-devops/Kubernates/lab1$ kubectl get rs
NAME   DESIRED   CURRENT   READY   AGE
new-replica-set   4   4   0   20m
salmamyoussef@salmamyoussef-Satellite-C55-B:~/Documents/ITI-devops/Kubernates/lab1$ ☐

Q7:
because the replica set will always recreate a pod if it's deleted.

Q8:
apiVersion: apps/v1
kind: ReplicaSet
metadata:
 name: replicaset-1
spec:
 replicas: 2
 selector:
  matchLabels:
   tier: frontend
 template:
  metadata:
   labels:
    tier: frontend
  spec:
   containers:
   - name: nginx
     image: nginx