YAML implementation:

If there are three replicaset then you can see 3 PODS.

Creating POD:

**apiVersion**: v1  
  
**kind**: Pod  
  
**metadata**:  
 **name**: myapp-pod  
 **labels**:  
 **app**: myapp  
  
**spec**:  
 **containers**:  
 - **name**: nginx-container  
 **image**: nginx

Replicaset

**apiVersion**: apps/v1  
**kind**: ReplicaSet  
**metadata**:  
 **name**: myapp-replicaset  
 **labels**:  
 **app**: myapp  
 **type**: front-end  
  
**spec**:  
 **template**:  
 **metadata**:  
 **name**: myapp-pod  
 **labels**:  
 **app**: myapp  
  
 **spec**:  
 **containers**:  
 - **name**: nginx-container  
 **image**: nginx  
  
 **replicas**: 3  
  
 **selector**:  
 **matchLabels**:  
 **app**: myapp

**deployment** : It creates Replicaset and Replicaset inturn creates PODS.

So in general rather than creating replicaset and PODS individually we can create deployment

**apiVersion**: apps/v1  
**kind**: Deployment  
**metadata**:  
 **name**: myapp-replicaset  
 **labels**:  
 **app**: myapp  
 **type**: front-end  
  
**spec**:  
 **template**:  
 **metadata**:  
 **name**: myapp-pod  
 **labels**:  
 **app**: myapp  
  
 **spec**:  
 **containers**:  
 - **name**: nginx-container  
 **image**: nginx  
  
 **replicas**: 3  
  
 **selector**:  
 **matchLabels**:  
 **app**: myapp

tanujtripathi94@cloudshell:~ (metal-smithy-265006)$ kubectl get all  
  
NAME READY UP-TO-DATE AVAILABLE AGE  
deployment.apps/myapp-replicaset 3/3 3 3 25s  
  
NAME DESIRED CURRENT READY AGE  
replicaset.apps/hello-world-68b4f9488 3 3 3 34d  
replicaset.apps/hello-world-new-645f9fffc4 1 1 0 28d  
replicaset.apps/hello-world-rest-api-55f57889d8 1 1 1 37d  
replicaset.apps/myapp-replicaset-b94f585c7 3 3 3 25s  
  
NAME READY STATUS RESTARTS AGE  
pod/myapp-replicaset-b94f585c7-ntdwf 1/1 Running 0 24s  
pod/myapp-replicaset-b94f585c7-z6pd5 1/1 Running 0 24s  
pod/myapp-replicaset-b94f585c7-zg22n 1/1 Running 0 24s

Above, we can see with Deployment we have created:

1. Deploymenbt: first myapp-replicaset
2. ReplicaSet: myapp-replicaset-b94f585c7
3. POD:

* myapp-replicaset-b94f585c7-ntdwf
* myapp-replicaset-b94f585c7-z6pd5
* myapp-replicaset-b94f585c7-zg22n

Environment Variables