- # Day 9.
 - 17 Usage of Commands and Arguements an kubernetes pod (que container)
 - 2) Kubernetes volume Significance and valgous type.
 - + Commands & Anguements en 48's manejest jale:
 - you can define Commands and Arguements en defenition fele using "Command" field in the Confeg fale.
 - To Depene arguement use use "args" feeld en the fele.
 - Commands and arguements are cannot be modified once pods are created.

apilesion :Vi

Kend: pod

metadata:

name: Command-demo

Labels:

purpose: demonstrate-command

spec:

containels:

- name: Command-demo-containel

image: debean

Command: ['prantenvil]

args: ["HOSTNAME", "KUBERNETES_PORT"] restast polecy: on Failure

- Explore above fale pranteny command Nall take args as HOSTNAME and EUBERNETES_PORT and Wall be ran on container angle the pod.
- Here you go for Sequence of commands to follow.
 - 1) Create pod def. Tele using above file.
 - 2) fubect | create { Cpod-defanition >. yml
 - 3) Kubect | get pod

 there you will get pod as "Completed" Status

 which represents That Command execution

 98 done on container.
 - 4) Kubect logs pod Command-demo,

 Here you well get the output Something

 like thes:

Command - demo

tcp: 1/10,3,240.1:443

(nohach are Hostname & fubernetes port)

- pods are mortal and they tend to die at anytime.

 The data inside pod is also lost if pod is

 dead. Even if new pod is up it is with

 fresh space.
- Sometimes we want to have shalled feles among containers en a pod but it will also requires Volume to enable that.
- Both of these problems will addressed by the concept of "Volume"
- 1) Kubernetes Supports various types of volumes and pod can have many number of volumes attached.
- e) Ephimeral volumes (pod's own vol) are bind to pod's lifecycle but persistent volume will be available outside the pod's lifecycle.
- Volume field en manifest file well be specified en * Specs. Volumes -> Volume Should be provided to pods.
 - * Specs. Containels (*). Volume mounts Le Containel path Should be mentioned here.

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- Checkout below mentsoned
                             mansfest for more details:
     apiversion: V.
     Gend: pod
     metadata:
         name: -lest - pd
     Spec:
         containers:
         - Image: registry. 1385.10/test- webseauch.
           name: lest - containel
           Volume Mounts:
            - mount Path: 1 test-pd
              name: lest - Volume
         Volume:
         - name: test - volume
           hostpath:
             path: /data
              type: Directory
  This is an example for hostpath volume type.
       Few volume types of kubernetes.
         1) Azurefele CSI magration
         ar configmap
         3) empty APr
         4) Hostpath
          5> 9scs1
          6) local
          A) nfs
           8> persistent volclaim
                                  etc ...
           97 Secret
```

That's all about Volume.