**Task 1 commands:  
  
gcloud container clusters get-credentials production --zone=CHANGE\_ZONE**

**kubectl create -f sample.yaml**

**kubectl get pod**

**kubectl exec POD\_NAME /bin/sh**

**sudo apt update**

**sudo apt install iputils-ping**

**Task 2 command :-**

**gcloud container node-pools create POOL\_NAME \**

**--cluster=production --zone=CHANGE\_ZONE --machine-type=n1-standard-2 --image-type=cos\_containerd --sandbox type=gvisor**

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**Task1 file:-**

**# sandbox-metadata-test.yaml**

**apiVersion: apps/v1**

**kind: Deployment**

**metadata:**

**name: regular-app**

**labels:**

**app: regular-app**

**spec:**

**replicas: 1**

**selector:**

**matchLabels:**

**app: regular-app**

**template:**

**metadata:**

**labels:**

**app: regular-app**

**spec:**

**containers:**

**- name: regular-app**

**image: busybox**

**command: ["/bin/sleep","10000"]**

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**Task 3 file:-**

**# sandbox-metadata-test.yaml**

**apiVersion: apps/v1**

**kind: Deployment**

**metadata:**

**name: unrestricted**

**labels:**

**app: unrestricted**

**spec:**

**replicas: 1**

**selector:**

**matchLabels:**

**app: unrestricted**

**template:**

**metadata:**

**labels:**

**app: unrestricted**

**spec:**

**affinity:**

**nodeAffinity:**

**requiredDuringSchedulingIgnoredDuringExecution:**

**nodeSelectorTerms:**

**- matchExpressions:**

**- key: sandbox.gke.io/runtime**

**operator: In**

**values:**

**- gvisor**

**tolerations:**

**- effect: NoSchedule**

**key: sandbox.gke.io/runtime**

**operator: Equal**

**value: gvisor**

**containers:**

**- name: unrestricted**

**image: busybox**

**command: ["/bin/sleep","10000"]**

**Run command :- kubectl apply -f sample.yaml**

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**Task 4 file:-**

**# sandbox-metadata-test.yaml**

**apiVersion: apps/v1**

**kind: Deployment**

**metadata:**

**name: unrestricted**

**labels:**

**app: unrestricted**

**spec:**

**replicas: 1**

**selector:**

**matchLabels:**

**app: unrestricted**

**template:**

**metadata:**

**labels:**

**app: unrestricted**

**spec:**

**affinity:**

**nodeAffinity:**

**requiredDuringSchedulingIgnoredDuringExecution:**

**nodeSelectorTerms:**

**- matchExpressions:**

**- key: sandbox.gke.io/runtime**

**operator: In**

**values:**

**- gvisor**

**tolerations:**

**- effect: NoSchedule**

**key: sandbox.gke.io/runtime**

**operator: Equal**

**value: gvisor**

**runtimeClassName: gvisor**

**containers:**

**- name: unrestricted**

**image: busybox**

**command: ["/bin/sleep","10000"]**

**Run command :- kubectl apply -f sample.yaml**