Tasks - Deploy in Kubernetes cluster

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Project Name	Project -Skill and Job recommender application
Maximum Marks	2 Marks

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kubectl controls the Kubernetes cluster manager.
 Find more information at: https://kubernetes.io/docs/reference/kubectl/
Basic Commands (Beginner):
                    Create a resource from a file or from stdin
  create
                    Take a replication controller, service, deployment or pod and expose it as a new Kubernetes service Run a particular image on the cluster
  expose
  run
                    Set specific features on objects
  set
Basic Commands (Intermediate):
  explain
                    Get documentation for a resource
                    Display one or many resources
  get
  edit
                    Edit a resource on the server
                    Delete resources by file names, stdin, resources and names, or by resources and label selector
  delete
Deploy Commands:
  rollout
                    Manage the rollout of a resource
                    Set a new size for a deployment, replica set, or replication controller Auto-scale a deployment, replica set, stateful set, or replication controller
  scale
  autoscale
lluster Management Commands:
  certificate
                    Modify certificate resources.
  cluster-info
                    Display cluster information
                    Display resource (CPU/memory) usage
Mark node as unschedulable
  top
  cordon
  uncordon
                    Mark node as schedulable
  drain
                    Drain node in preparation for maintenance
                    Update the taints on one or more nodes
  taint
roubleshooting and Debugging Commands:
describe Show details of a specific resource or group of resources
  loas
                    Print the logs for a container in a pod
                    Attach to a running container
  attach
                    Execute a command in a container
Forward one or more local ports to a pod
  exec
  pr≪-forward
 y
                    Run a proxy to the Kubernetes API server
Copy files and directories to and from containers
                    Inspect authorization
  auth
  debug
                    Create debugging sessions for troubleshooting workloads and nodes
Advanced Commands:
  diff
                    Diff the live version against a would-be applied version
  apply
                    Apply a configuration to a resource by file name or stdin
                    Update fields of a resource
  patch
                    Replace a resource by file name or stdin
Experimental: Wait for a specific condition on one or many resources
  replace
  kustomize
                    Build a kustomization target from a directory or URL.
 ettings Commands:
                    Update the labels on a resource
  label
                    Update the annotations on a resource
  annotate
                    Output shell completion code for the specified shell (bash, zsh, fish, or powershell)
  completion
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Display resource (CPU/memory) usage
                       Mark node as unschedulable
   cordon
                       Mark node as schedulable
   uncordon
                       Drain node in preparation for maintenance
   drain
   taint
                       Update the taints on one or more nodes
 Froubleshooting and Debugging Commands:
   describe
                       Show details of a specific resource or group of resources
   logs
                       Print the logs for a container in a pod
   attach
                       Attach to a running container
                       Execute a command in a container
   exec
  port-forward
                       Forward one or more local ports to a pod
  ргоху
                       Run a proxy to the Kubernetes API server
                       Copy files and directories to and from containers
  CD
  auth
                       Inspect authorization
  debua
                       Create debugging sessions for troubleshooting workloads and nodes
 Advanced Commands:
                      Diff the live version against a would-be applied version
  diff
                      Apply a configuration to a resource by file name or stdin Update fields of a resource
  apply
  patch
                      Replace a resource by file name or stdin
Experimental: Wait for a specific condition on one or many resources
Build a kustomization target from a directory or URL.
   replace
  wait
  kustomize
Settings Commands:
  label
                      Update the labels on a resource
   annotate
                       Update the annotations on a resource
                       Output shell completion code for the specified shell (bash, zsh, fish, or powershell)
  completion
Other Commands:
  alpha
                       Commands for features in alpha
   api-resources
                       Print the supported API resources on the server
   api-versions
                       Print the supported API versions on the server, in the form of "group/version"
                       Modify kubeconfig files
  config
  p in
ion
                       Provides utilities for interacting with plugins
                       Print the client and server version information
Usage:
  kubectl [flags] [options]
Use "kubectl <command> --help" for more information about a given command.
Use "kubectl options" for a list of global command-line options (applies to all commands).
(base) alex@alex-Swift-SF315-41:~/alex/ibm_main/job-portal-main$ kubectl apply -f deployment.yaml
Unable to connect to the server: EOF
(base) alex@alex-Swift-SF315-41:~/alex/lbm_main/job-portal-main$ kubectl version
WARNING: This version information is deprecated and will be replaced with the output from kubectl version --short. l
Client Version: version.Info{Major:"1", Minor:"25", GitVersion:"v1.25.4", GitCommit:"872a965c6c6526caa949f0c6ac028ef
ler:"gc", Platform:"linux/amd64"}
Kustomize Version: v4.5.7
Unable to connect to the server: EOF
(base) alex@alex-Swift-SF315-41:~/
                                              .ex/ibm_main/job-portal-main$ kubectl apply -f deployment.yaml
Unable to connect to the server: EOF
(base) alex@alex-Swift-SF315-41:~/alex/ibm_main/job-portal-main$ [
```



