Lab9

ConfigMaps and Secrets: Configuring Applications

1. Create (imperatively) a ConfigMap that has two keys and two values (1 mark)
2. Write a YAML file to create the same ConfigMap declaratively (1 mark)
3. Create the same ConfigMap from a configuration file (1 mark)
4. Create a Secret imperatively (1 mark)
5. Write a YAML file to create the same Secret declaratively (1 mark)
6. Read all ConfigMaps and Secrets (1 marks)
7. Get the description of all ConfigMaps and Secrets (1 marks)
8. Write a YAML to create a pod based on nginx image, the YAML file should read at least one value from a ConfigMap and one value from a Secret.

Hint: you can run the pod shell using command:

*kubectl exec -it [pod name] bash*

The print the environment variables using command *env*

(3 marks)