

Assignment -4

Docker and Kubernetes

Assignment Date	1 November 2022
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Maximum Marks	2 Marks

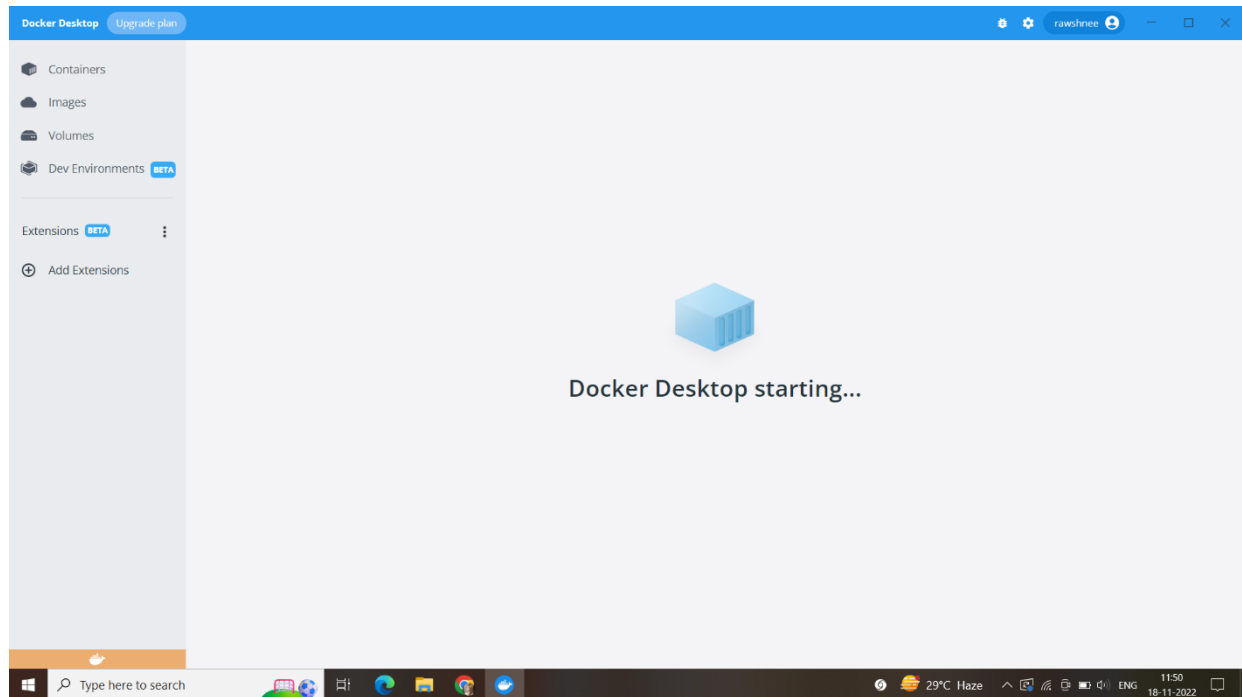
1. Step 1

A screenshot of a Google search for 'docker'. The search results show the Docker website as the top result. The page includes the Docker logo, a brief description of Docker as a platform for building, sharing, and running modern applications, and links to Docker Desktop, Documentation, Hub, and Install on Windows. A sidebar on the right provides more details about Docker, including its initial release date (20 March 2013), original author (Docker, Inc.), license (Free / Paid), platform (x86-64, ARM, s390x, ppc64le), operating system (Linux, Windows, macOS), and stable release date (20.10.21 / 25 October 2022; 21 days ago).

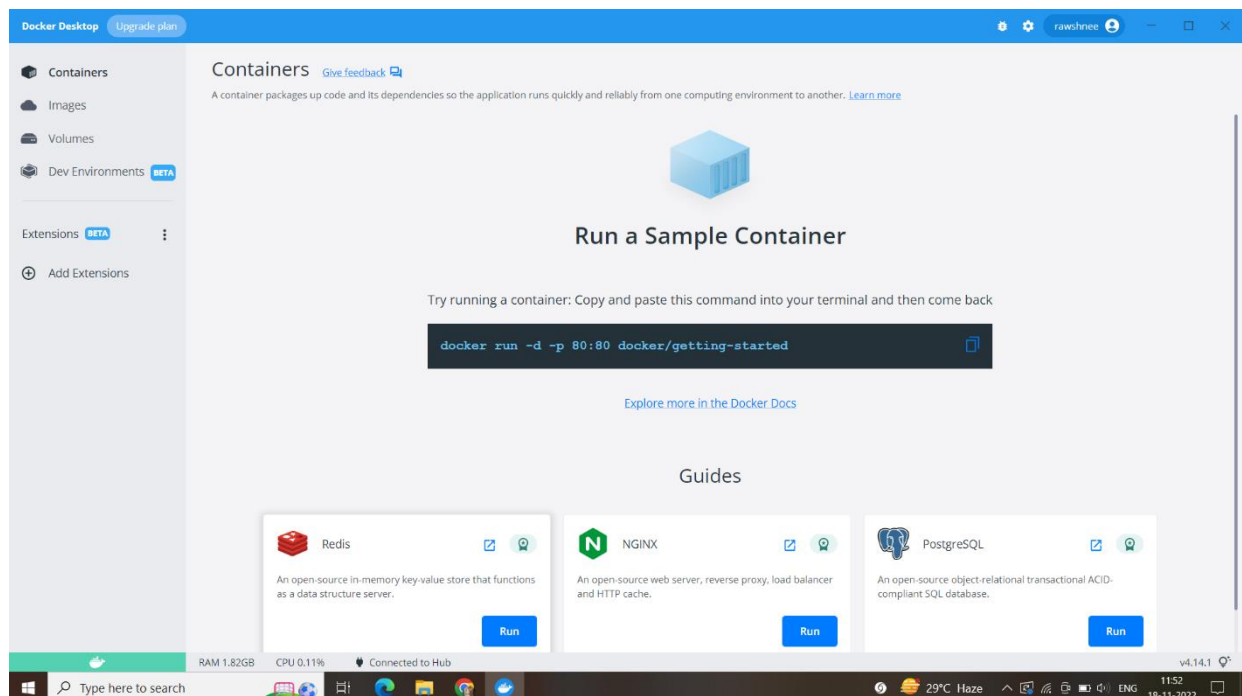
Step.2

A screenshot of the Docker website. The header features the Docker logo and navigation links for Products, Developers, Pricing, Blog, About Us, and Partners. A prominent banner reads 'Develop faster. Run anywhere.' and 'The most-loved Tool in Stack Overflow's 2022 Developer Survey.' Below the banner is a large blue button labeled 'Download Docker Desktop' with a Windows logo. At the bottom, there are logos for Apple Chip, Linux, and Intel Chip.

Step.3



Step.4



Step.5

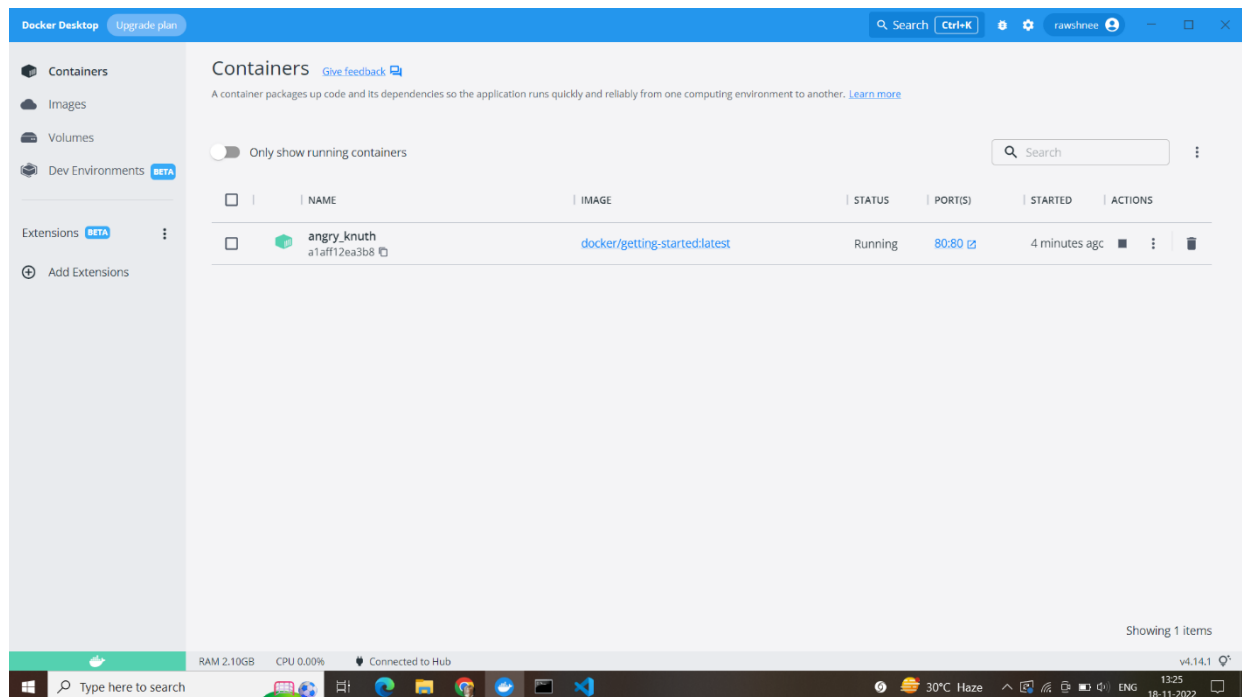
```
Microsoft Windows [Version 10.0.19044.2130]
(c) Microsoft Corporation. All rights reserved.

C:\Users\ravsh>docker version
Client:
 Cloud integration: v1.0.29
 Version: 20.10.21
 API version: 1.41
 Go version: go1.18.7
 Git commit: baedelf
 Built: Tue Oct 25 18:08:16 2022
 OS/Arch: windows/amd64
 Context: default
 Experimental: true

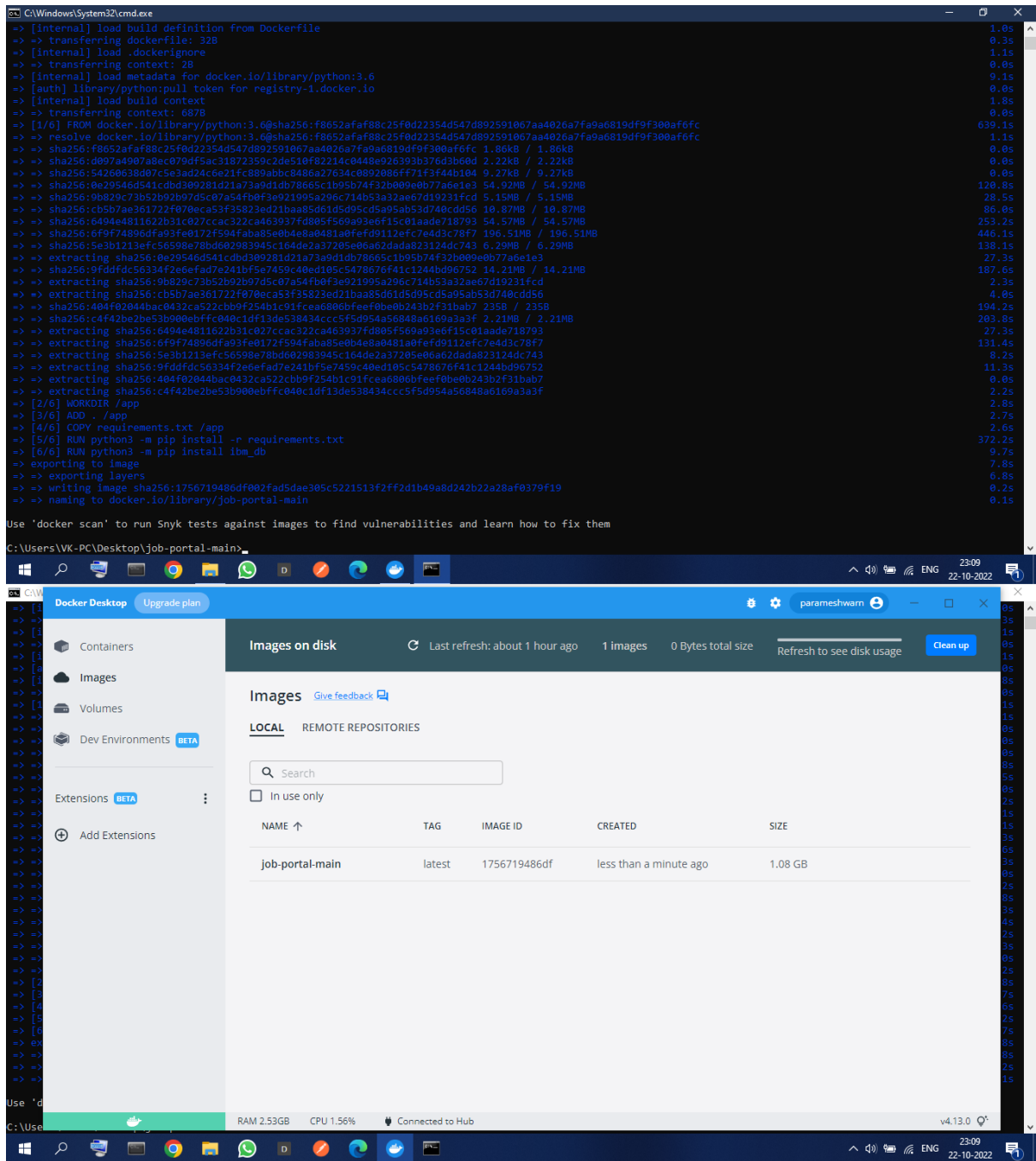
Server: Docker Desktop 4.14.1 (91661)
 Engine:
  Version: 20.10.21
  API version: 1.41 (minimum version 1.12)
  Go version: go1.18.7
  Git commit: 3056208
  Built: Tue Oct 25 18:00:19 2022
  OS/Arch: linux/amd64
  Experimental: false
 containerd:
  Version: 1.6.9
  GitCommit: 1c98a442489720e9c95342e1789ee8a5e1b9536f
 runc:
  Version: 1.1.4
  GitCommit: v1.1.4-0-g5fd4c4d
 docker-init:
  Version: 0.19.0
  GitCommit: de4bad0

C:\Users\ravsh>docker ps
CONTAINER ID   IMAGE      COMMAND                  CREATED   STATUS    PORTS   NAMES
C:\Users\ravsh>
```

Step.6



2. Create a docker file for the job portal application and deploy it in Docker desktop application



3. Create a IBM container registry and deploy helloworld app