

Assignment -4

Docker and Kubernetes

Assignment Date	1 November 2022
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Student Roll Number	113319205016
Maximum Marks	2 Marks

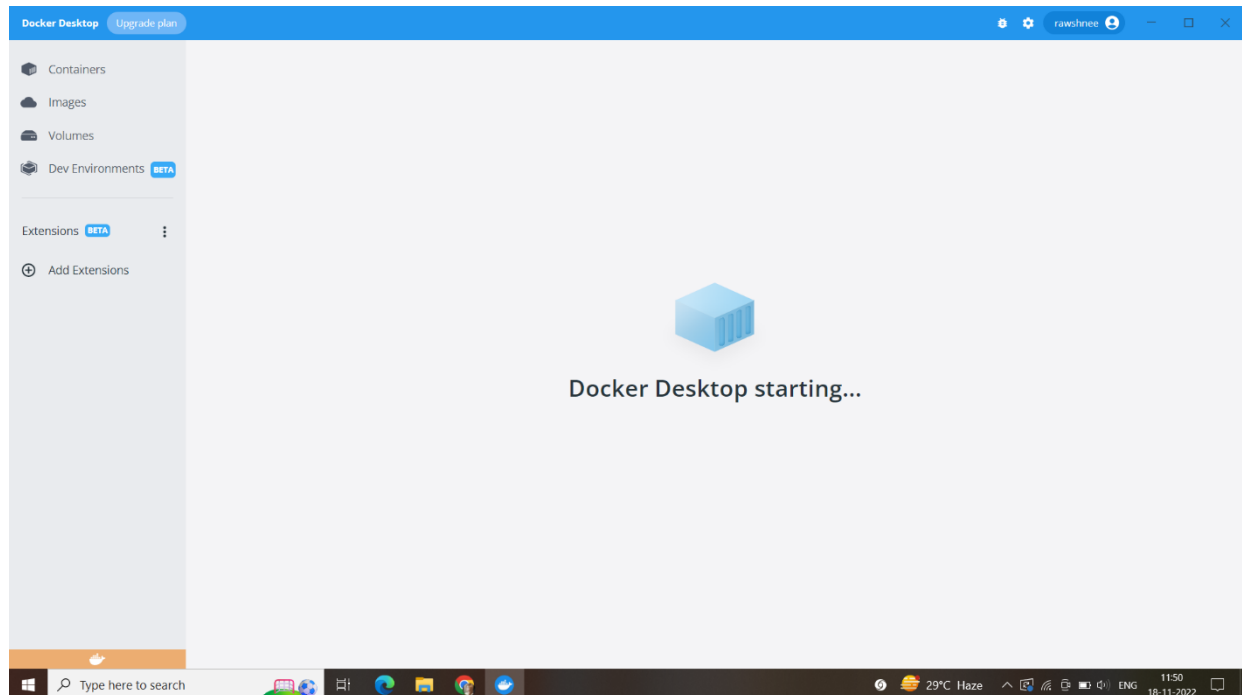
1. Step 1

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 installation instructions for 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). The browser's taskbar at the bottom shows several open files and the system clock indicating 10:13 on 18-11-2022.

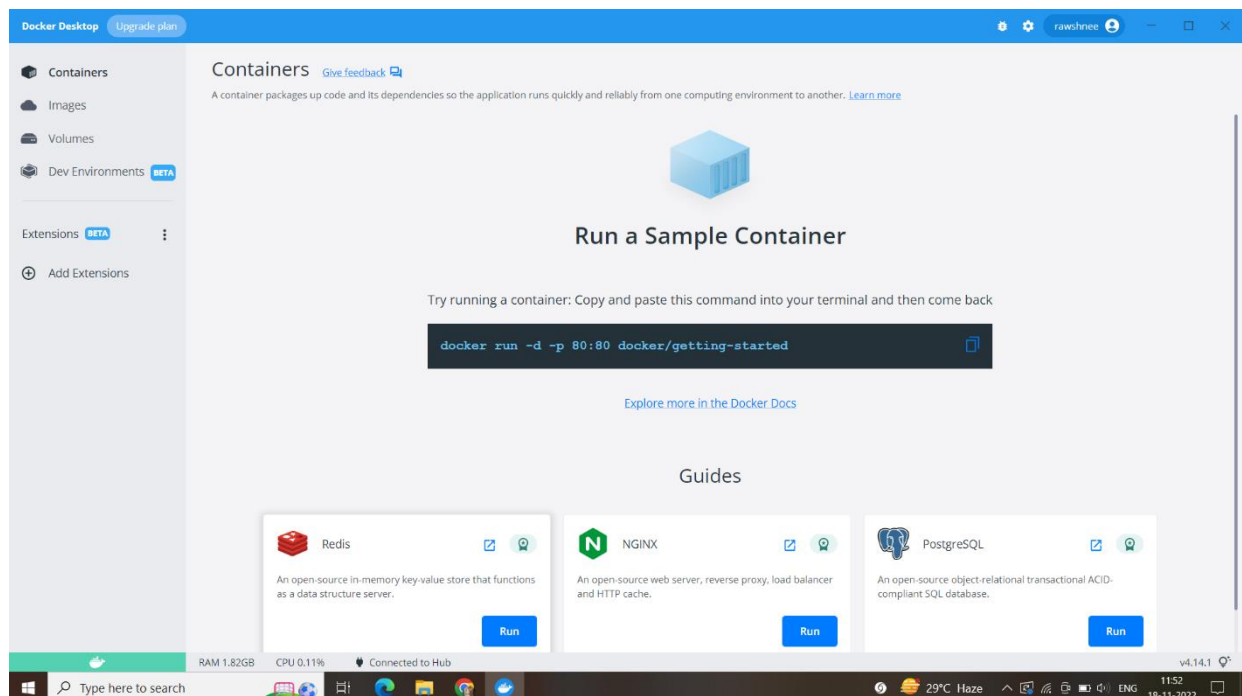
Step.2

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. The browser's taskbar at the bottom shows the same system clock as the previous screenshot.

Step.3



Step.4



Step.5

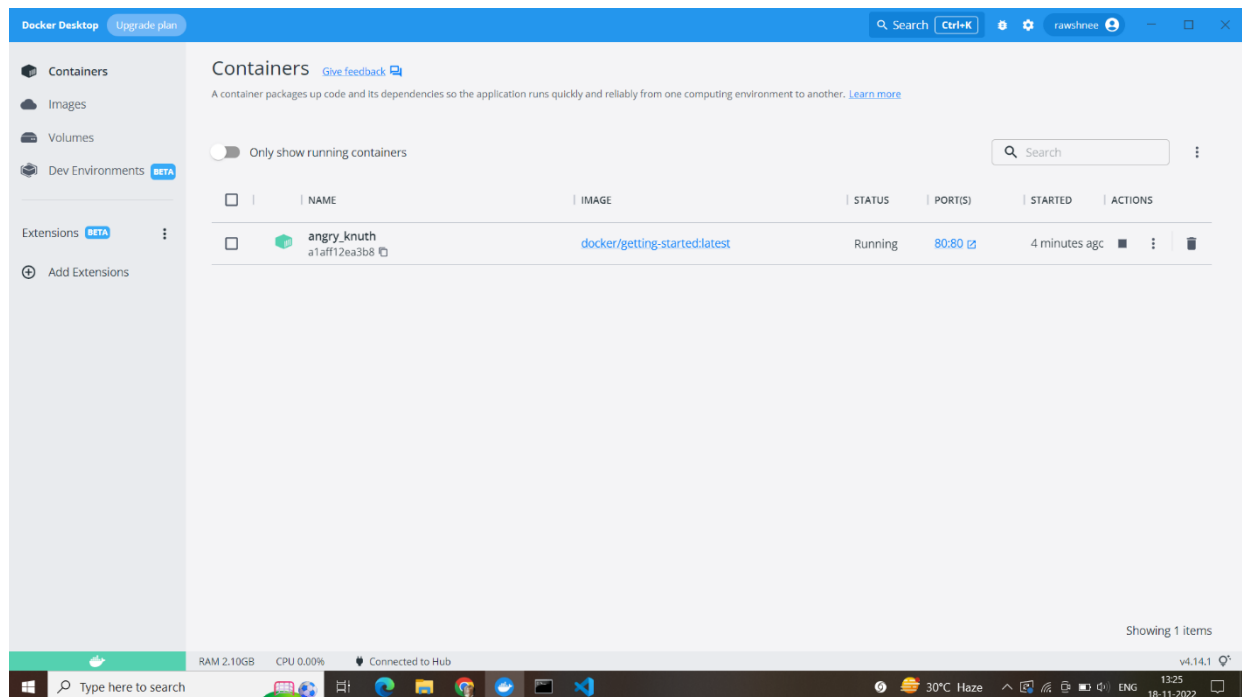
```
Microsoft Windows [Version 10.0.19044.2130]
(c) Microsoft Corporation. All rights reserved.

C:\Users\rawsh>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

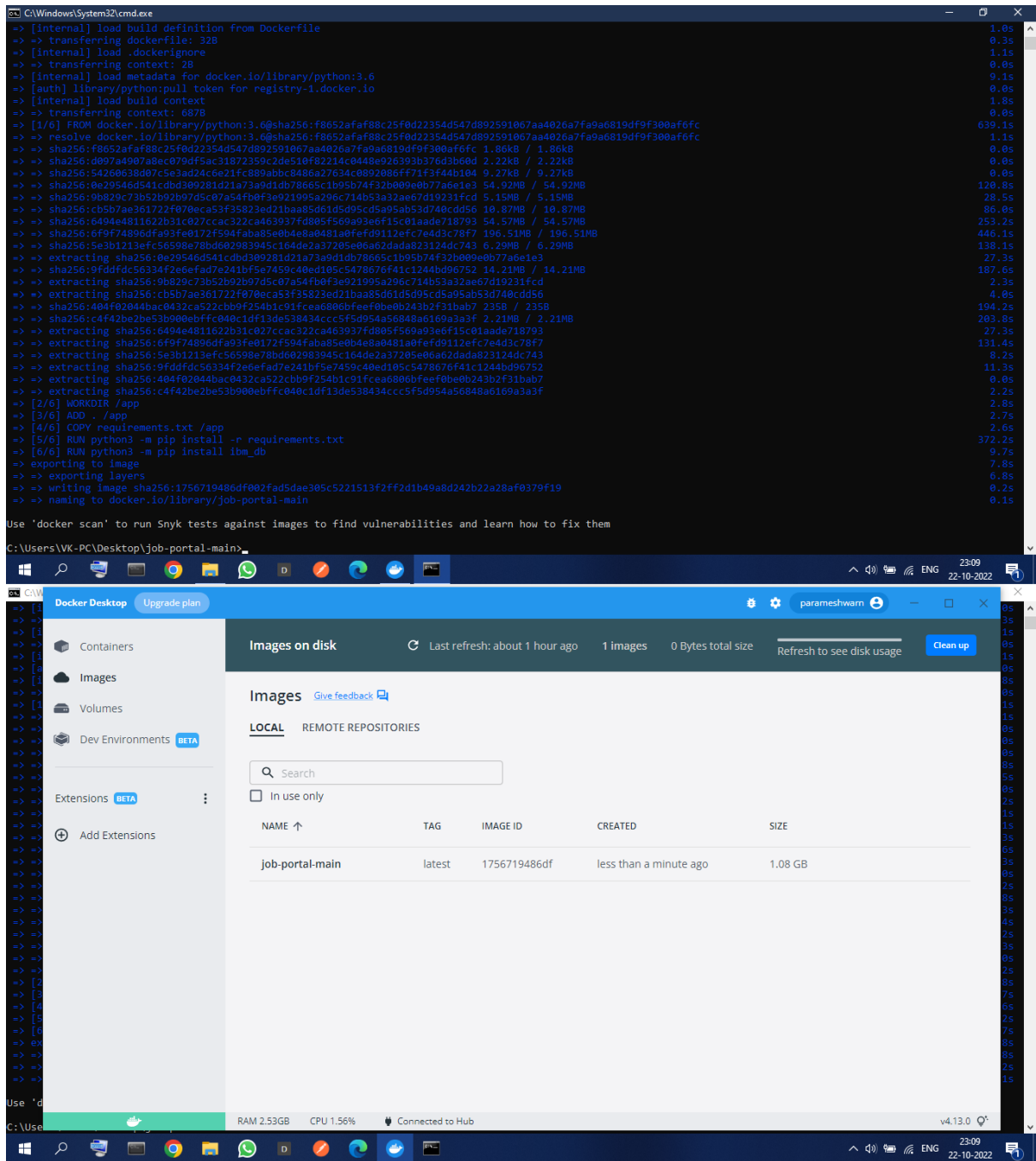
Server: Docker Desktop 4.14.1 (91661)
 Engine:
  Version: 20.10.21
  API version: 1.41 (minimum version 1.12)
  Go version: go1.18.7
  Git commit: 3056208
  Built: Tue Oct 25 18:00:19 2022
  OS/Arch: linux/amd64
  Experimental: false
 containerd:
  Version: 1.6.9
  GitCommit: 1c90a442489720e0c95342e1789ee8a5e1b9536f
 runc:
  Version: 1.1.4
  GitCommit: v1.1.4-0-g5fd4c4d
 docker-init:
  Version: 0.19.0
  GitCommit: de4bad0

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

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