Module 5: Assignment -1

Tasks To Be Performed:

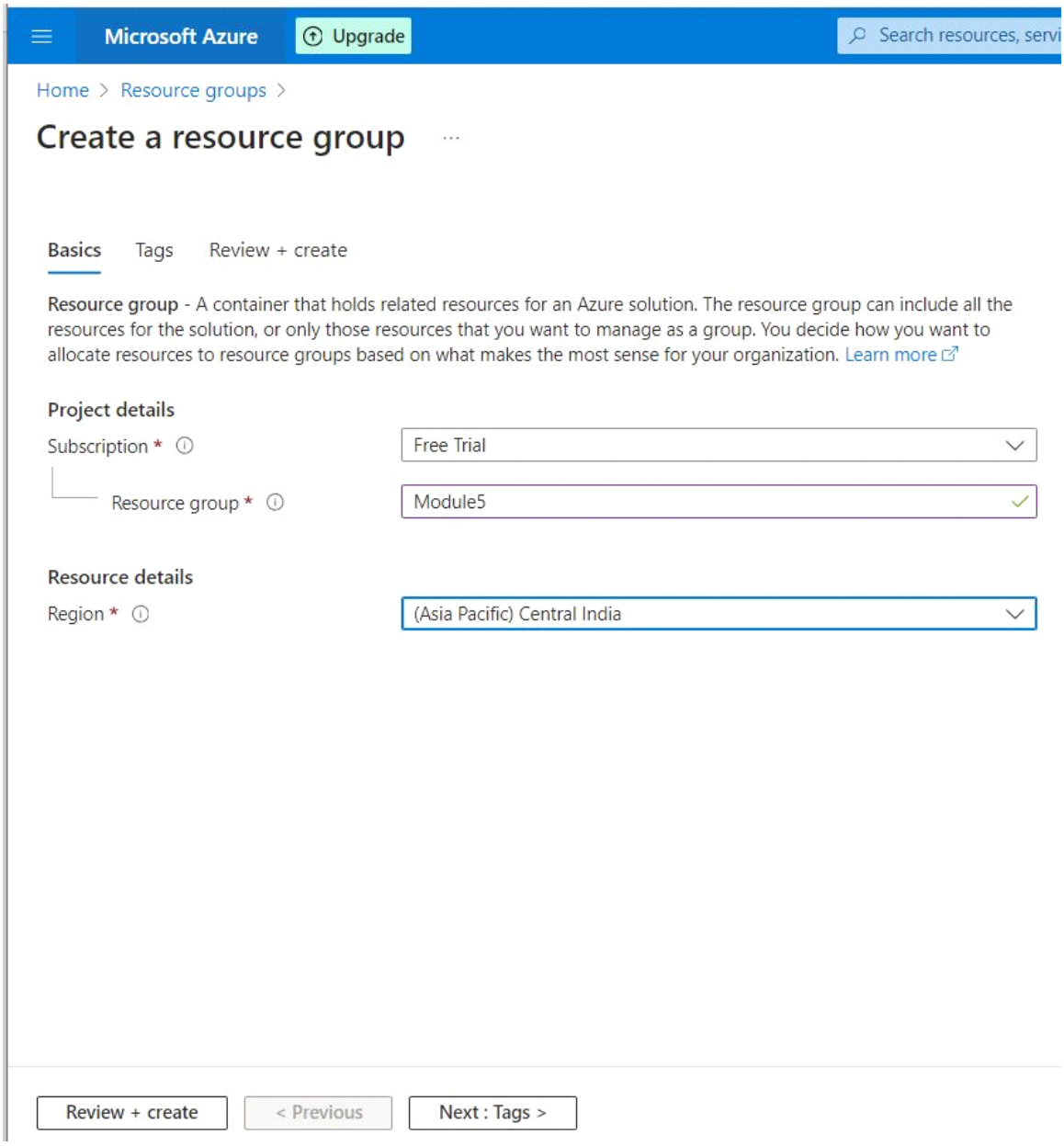
1. Install a Docker using VM

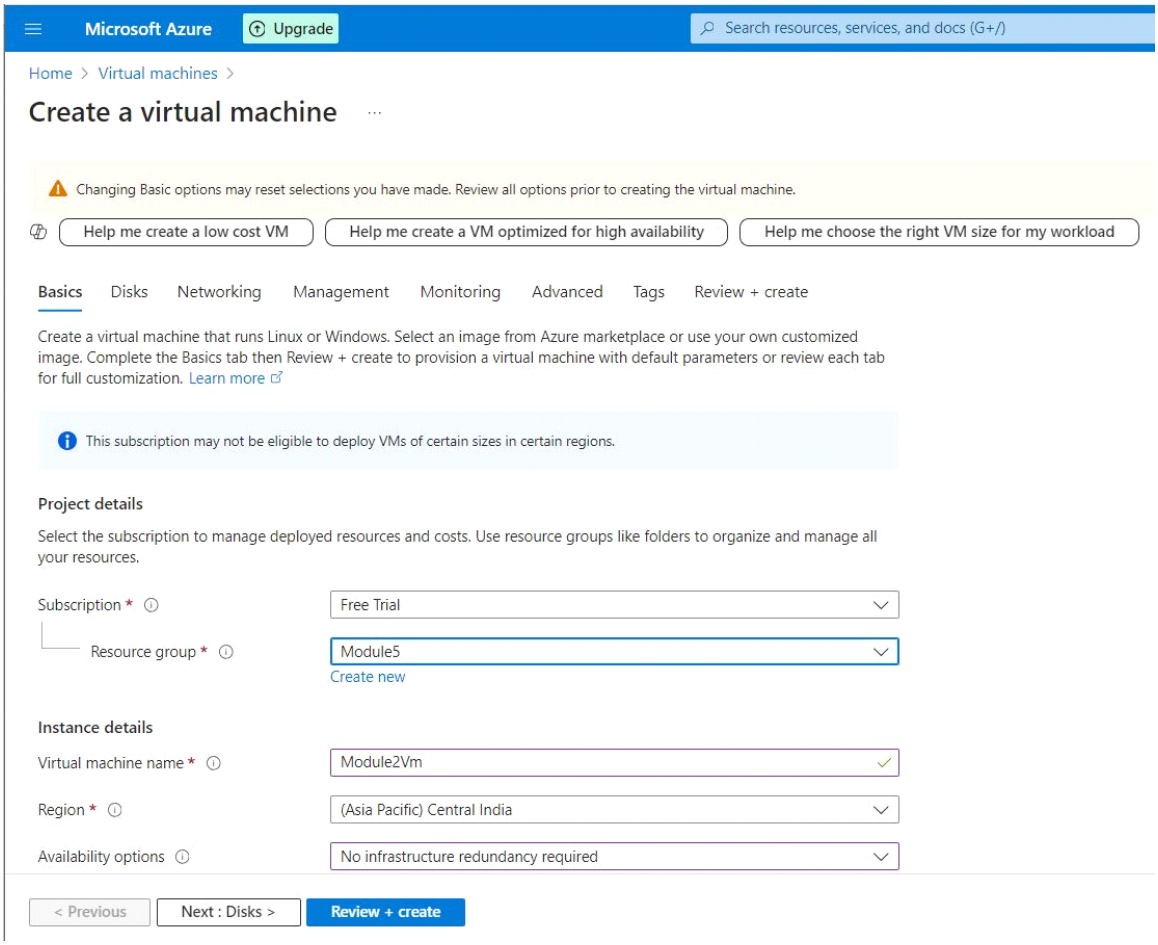
2. Pull hshar/webapp (https://hub.docker.com/r/hshar/webapp) repository

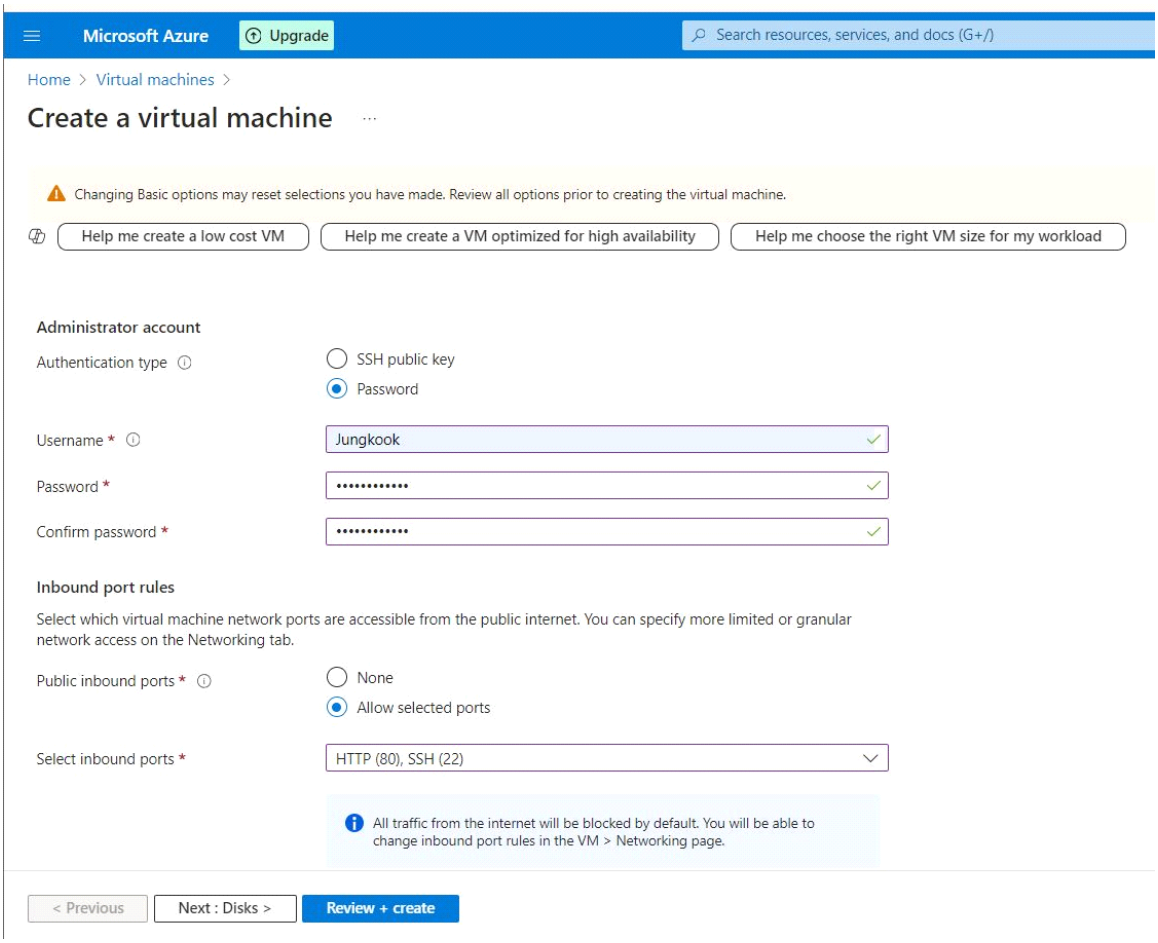
3. Create a new file in this repositor

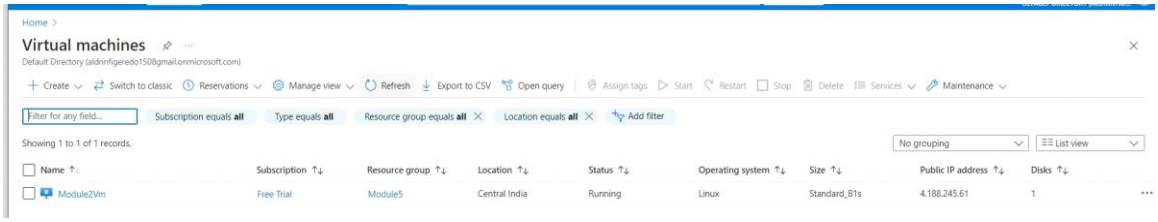
Solution:

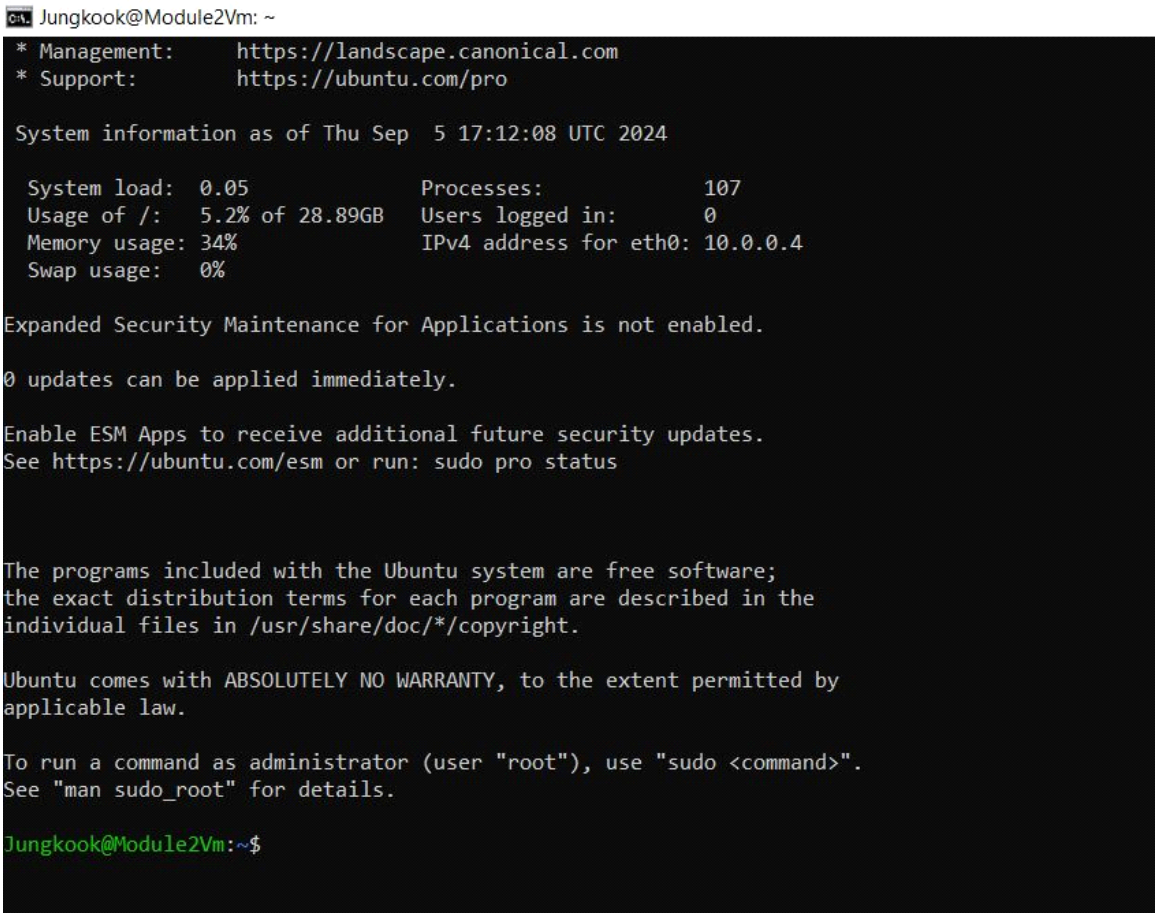
1. Install a Docker using VM

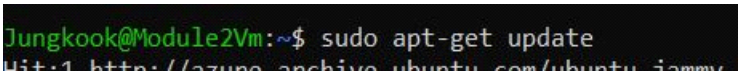

Microsoft Azure
Upgrade
Search resources, servi
Home > Resource groups >
Create a resource group
Basics
Tags
Review + create
Resource group - A container that holds related resources for an Azure solution. The resource group can include all the resources for the solution, or only those resources that you want to manage as a group. You decide how you want to allocate resources to resource groups based on what makes the most sense for your organization. Learn more
Project details
Subscription *
Free Trial
Resource group *
Module5
Resource details
Region *
(Asia Pacific) Central India
Review + create
< Previous
Next : Tags >

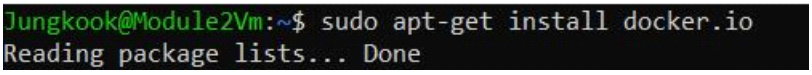

Microsoft Azure
Upgrade
Search resources, services, and docs (G+/)
Home > Virtual machines >
Create a virtual machine
Changing Basic options may reset selections you have made. Review all options prior to creating the virtual machine.
Help me create a low cost VM
Help me create a VM optimized for high availability
Help me choose the right VM size for my workload
Basics
Disks
Networking
Management
Monitoring
Advanced
Tags
Review + create
Create a virtual machine that runs Linux or Windows. Select an image from Azure marketplace or use your own customized image. Complete the Basics tab then Review + create to provision a virtual machine with default parameters or review each tab for full customization. Learn more
This subscription may not be eligible to deploy VMs of certain sizes in certain regions.
Project details
Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.
Subscription *
Free Trial
Resource group *
Module5
Create new
Instance details
Virtual machine name *
Module2Vm
Region *
(Asia Pacific) Central India
Availability options
No infrastructure redundancy required
< Previous
Next : Disks >
Review + create


Microsoft Azure
Upgrade
Search resources, services, and docs (G+/)
Home > Virtual machines >
Create a virtual machine
Changing Basic options may reset selections you have made. Review all options prior to creating the virtual machine.
Help me create a low cost VM
Help me create a VM optimized for high availability
Help me choose the right VM size for my workload
Administrator account
Authentication type
SSH public key
Password
Username *
Jungkook
Password *
Confirm password *
Inbound port rules
Select which virtual machine network ports are accessible from the public internet. You can specify more limited or granular network access on the Networking tab.
Public inbound ports *
None
Allow selected ports
Select inbound ports *
HTTP (80), SSH (22)
All traffic from the internet will be blocked by default. You will be able to change inbound port rules in the VM > Networking page.
< Previous
Next : Disks >
Review + create


Home >
Virtual machines
Default Directory (aldrinfigeredo1508gmail.onmicrosoft.com)
Create
Switch to classic
Reservations
Manage view
Refresh
Export to CSV
Open query
Assign tags
Start
Restart
Stop
Delete
Services
Maintenance
Filter for any field...
Subscription equals all
Type equals all
Resource group equals all
Location equals all
Add filter
Showing 1 to 1 of 1 records.
No grouping
List view
Name
Subscription
Resource group
Location
Status
Operating system
Size
Public IP address
Disks
Module2Vm
Free Trial
Module5
Central India
Running
Linux
Standard_B1s
4.188.245.61
1

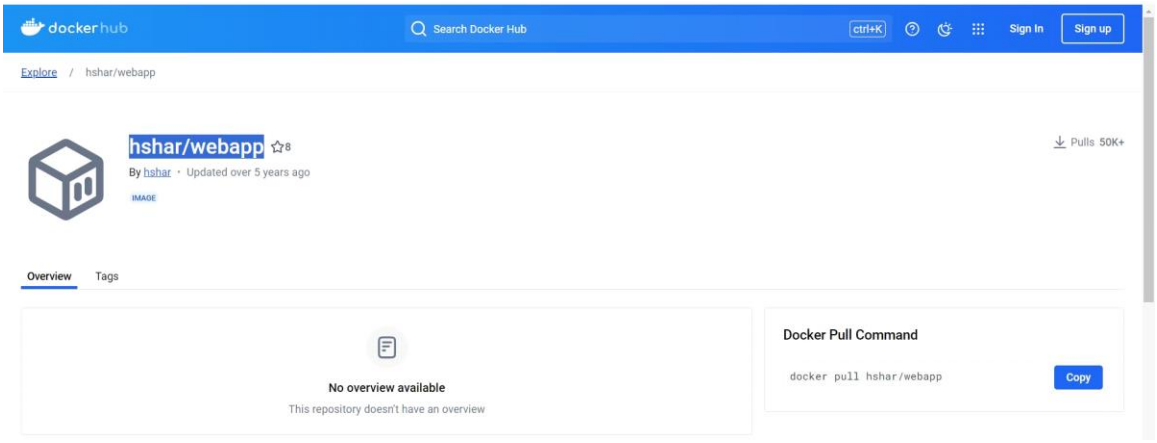






2. Pull hshar/webapp (https://hub.docker.com/r/hshar/webapp) repository

(https://hub.docker.com/r/hshar/webapp)

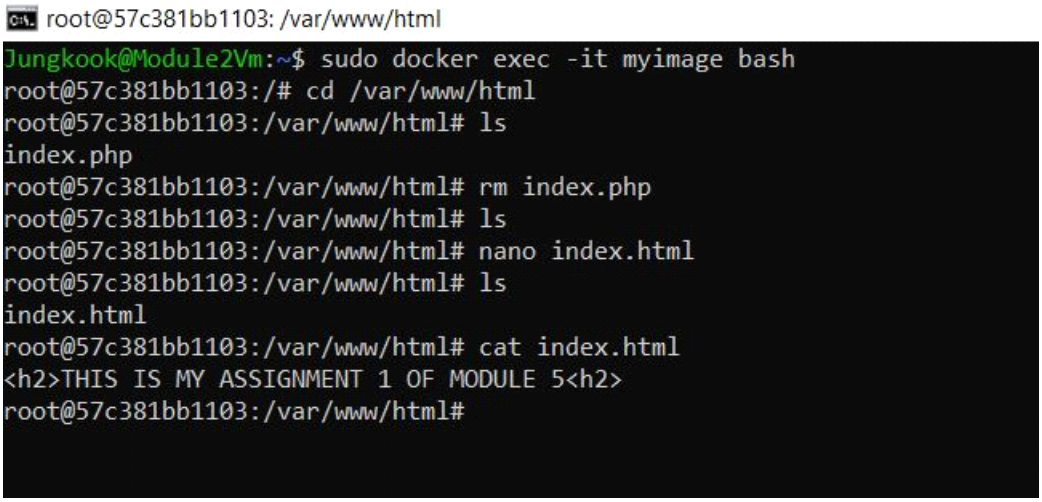


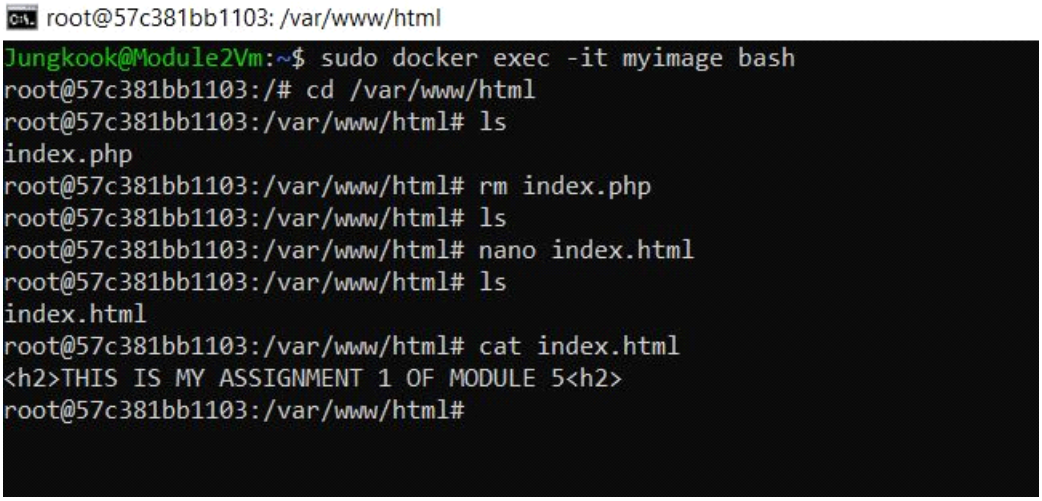

```
Jungkook@Module2Vm:~$ sudo docker pull hshar/webapp
Using default tag: latest
latest: Pulling from hshar/webapp
a48c500ed24e: Pull complete
1e1de00ff7e1: Pull complete
0330ca45a200: Pull complete
471db38bcfbf: Pull complete
0b4aba487617: Pull complete
c2e32ec79cfd: Pull complete
a18d6ba75273: Pull complete
4c2cc0ff3ce8: Pull complete
Digest: sha256:3c7cbcab1a26c01410dcc9cbc57252b50d9ed2f31a2dc24e3f066c61b88e839b
Status: Downloaded newer image for hshar/webapp:latest
docker.io/hshar/webapp:latest
Jungkook@Module2Vm:~$
```

```
Jungkook@Module2Vm:~$ sudo docker images
REPOSITORY     TAG       IMAGE ID       CREATED       SIZE
hshar/webapp   latest    0cbc1f535ed8   5 years ago   303MB
Jungkook@Module2Vm:~$
```

```
Jungkook@Module2Vm:~$ sudo docker images
REPOSITORY     TAG       IMAGE ID       CREATED       SIZE
hshar/webapp   latest    0cbc1f535ed8   5 years ago   303MB
Jungkook@Module2Vm:~$ sudo docker run -itd --name myimage hshar/webapp
57c381bb1103d07bca354244a81ef18209346505863a1c3bcfa1027dcf3ca68b
Jungkook@Module2Vm:~$ sudo docker ps
CONTAINER ID   IMAGE          COMMAND                  CREATED          STATUS          PORTS     NAMES
57c381bb1103   hshar/webapp   "/bin/sh -c 'apachec…"   20 seconds ago   Up 19 seconds   80/tcp    myimage
Jungkook@Module2Vm:~$
```

3. Create a new file in this repository





Commands :

1. **sudo apt-get update**
2. **clear**
3. **sudo apt-get install docker.io**
4. **sudo docker pull hshar/webapp**
5. **sudo docker images**
6. **sudo docker run -itd --name myimage hshar/webapp**
7. **sudo docker ps**

8 clear

9 sudo docker exec -it myimage bash

10 history