-by Manohar katta

Source code::

Spring project:

```
import org.springframework.web.bind.annotation.GetMapping;
import org.springframework.web.bind.annotation.PathVariable;
import org.springframework.web.bind.annotation.RestController;

@RestController
public class Democontroller {

	@GetMapping("/greet/{name}")
	public String greeting(@PathVariable String name) {
		return "Hi!!  " + name;
	}

}
```

app.java

```
import org.springframework.boot.SpringApplication;
import
org.springframework.boot.autoconfigure.SpringBootApplication;
```

```
@SpringBootApplication
public class Phase5project3Application {

	public static void main(String[] args) {
		SpringApplication.run(Phase5project3Application.class,
args);
	}

}
```

prepare Ubuntu Server 22.04 LTS (HVM), SSD Volume Type docker instance and add http and custom tcp protocol for port 8080, download the .pem key to the desire directory and connect the aws instance y moba-xterm

goto>aws>instance>connect>ssh>copy the link

open moba x-term> move to the root directory where you have saved the .pem file

paste the copied link and hit enter

Docker Installation on ubuntu Os

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link:
https://docs.docker.com/engine/install/ubuntu/
sudo apt-get update

```
sudo apt-get install ca-certificates curl gnupg
lsb-release
curl -fsSL
https://download.docker.com/linux/ubuntu/gpg |
sudo gpg --dearmor -o /usr/share/keyrings/docker-
archive-keyring.gpg

echo "deb [arch=$(dpkg --print-architecture)
signed-by=/usr/share/keyrings/docker-archive-
keyring.gpg]
https://download.docker.com/linux/ubuntu $
(lsb_release -cs) stable" | sudo tee
/etc/apt/sources.list.d/docker.list > /dev/null

sudo apt-get update

sudo apt-get install docker-ce docker-ce-cli
containerd.io docker-compose-plugin

----------to verify docker installation


sudo docker -v

sudo docker --version

sudo docker info

--------- to list docker container----------------
```

```
sudo docker container ls
sudo docker ps -a

sudo docker images


sudo docker volume ls

sudo docker pull ubuntu

sudo docker pull mysql


curl localhost

sudo docker container ls


docker service ls

**********
**********

scale Docker container on a docker swarm

docker service ls

docker service ps myservice (name of your service)

docker service scale myservice=3

docker service ls
```

```
docker service ps myservice
```