

**School of Computer Science Engineering and Application**

**BCA TY SEM VI**

**Subject Name: Container and Orchestration Practical**

**Assignment No: 4**

**Aim: - Create private registry on local host and push any image in private registry**

**Submitted By**

**Name: Disha Kumbhar**

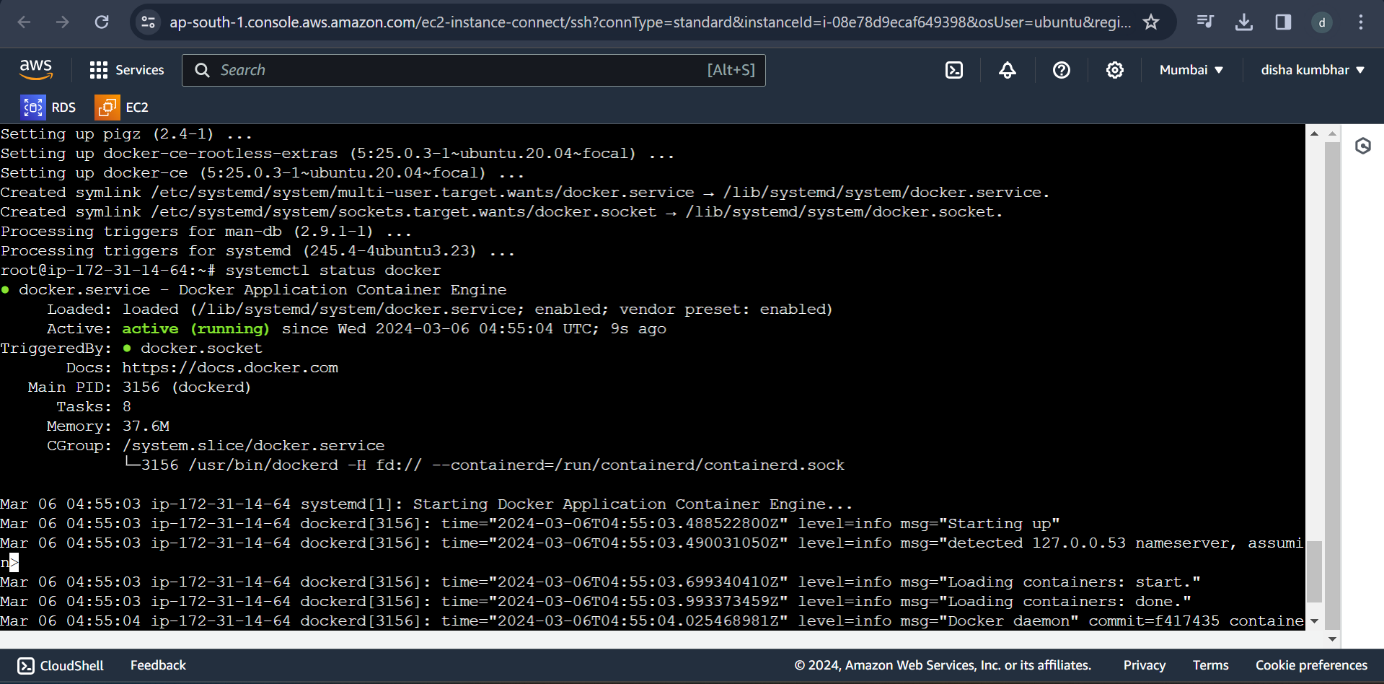
**PRN: 20210801140**

**Date: (28-02-2024)**

**Aim: - Create private registry on local host and push any image in private registry**

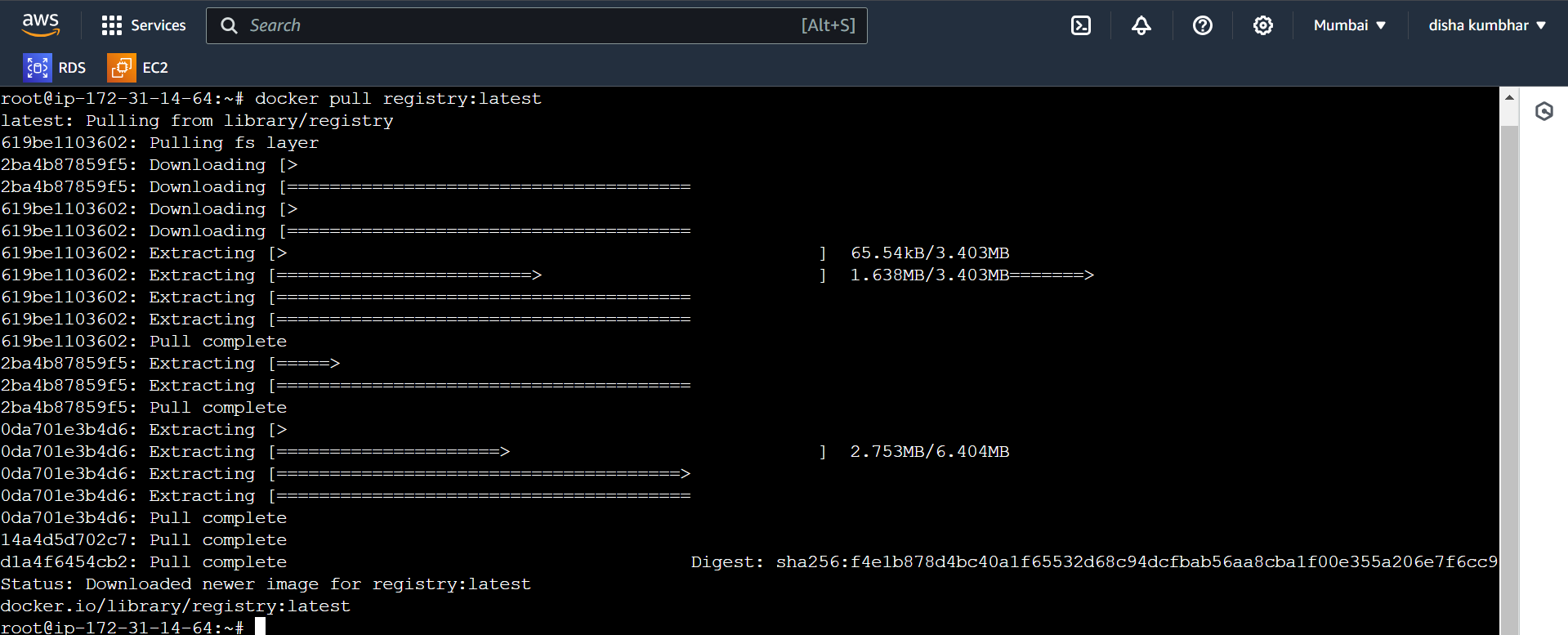
**Technology Used: Docker, Container, AWS**

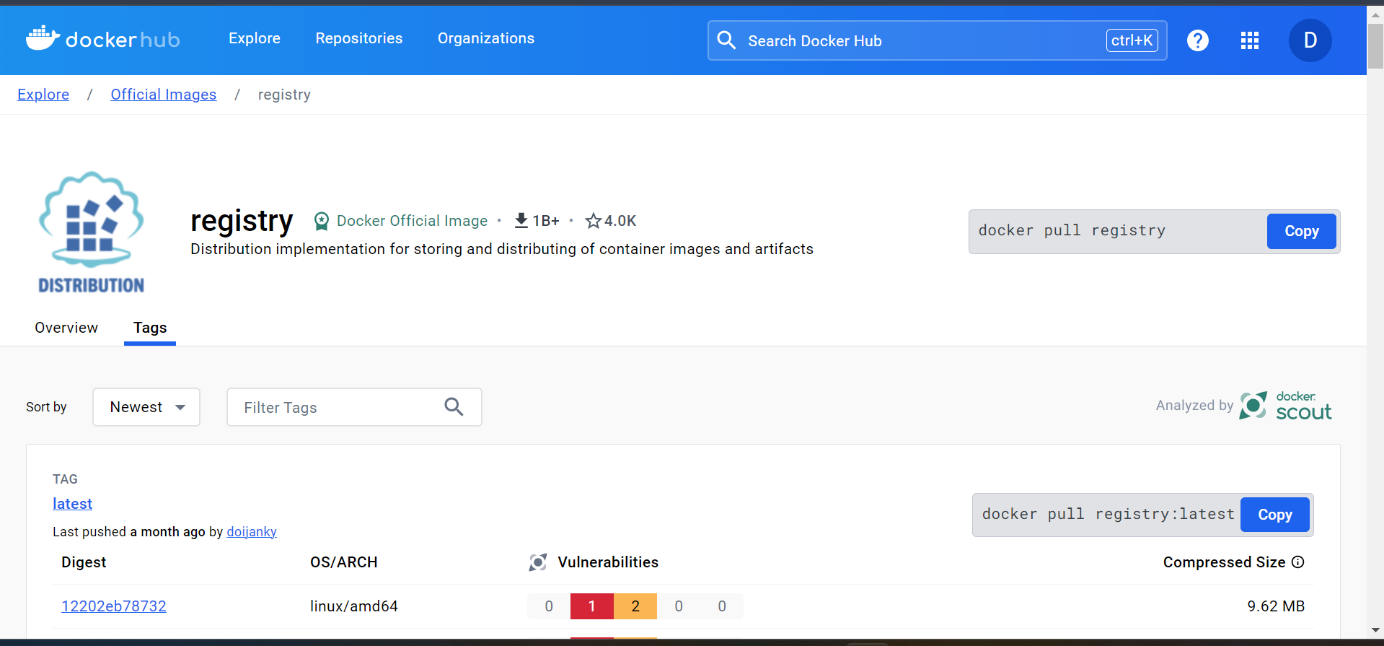
**Step 1: Launch the instance and install docker and check its status .**

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**Step 2: Search registry on docker hub and pull the registry from there**

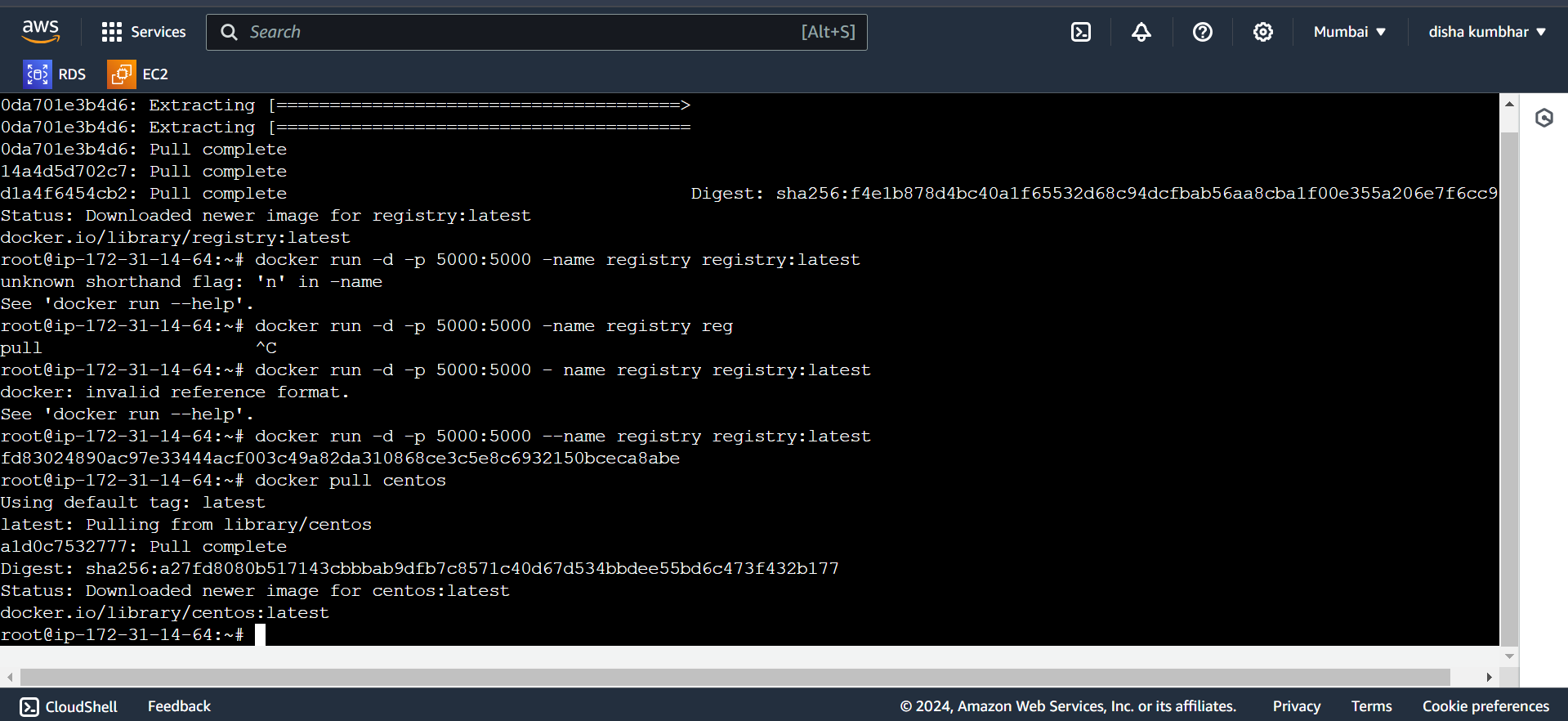
**Command: $docker pull registry or registry:lastest**

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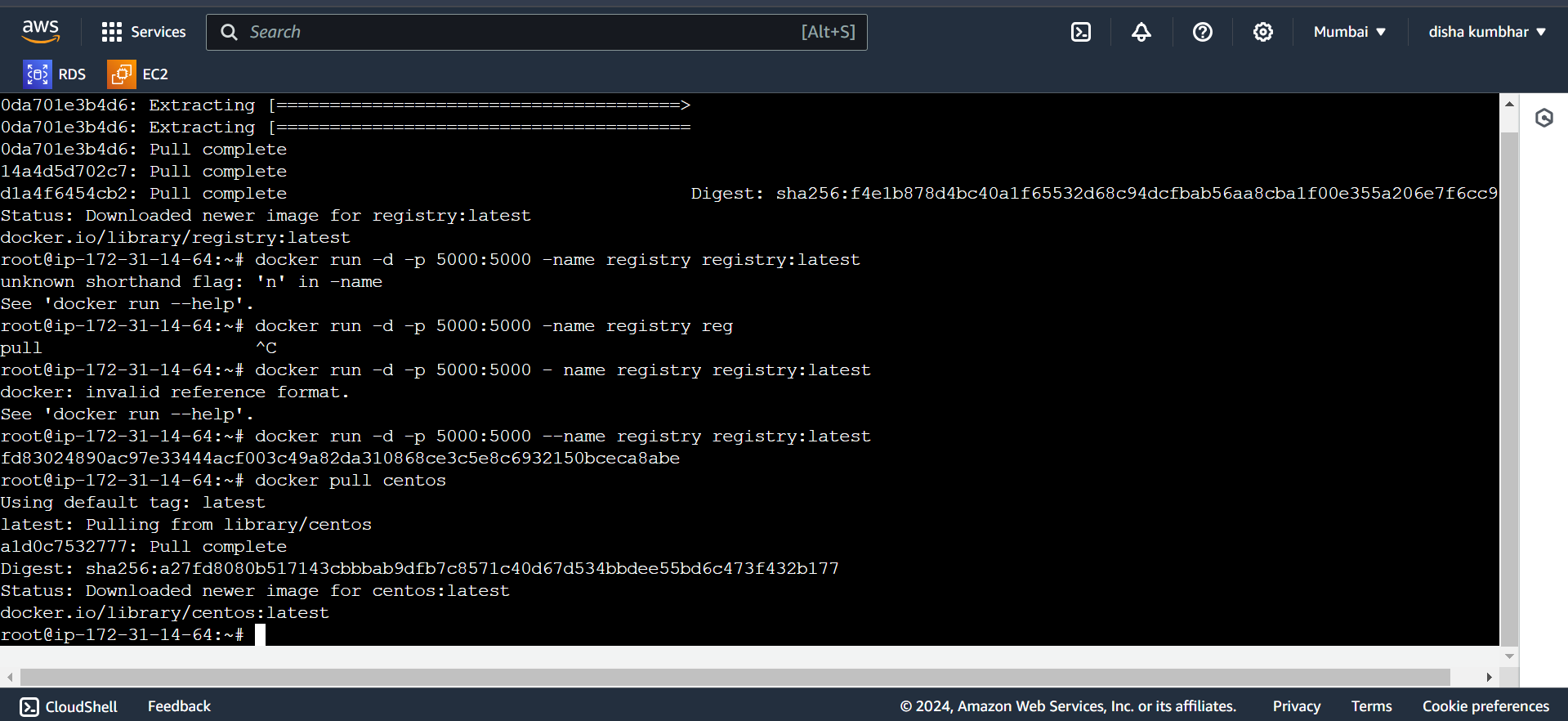
**Step 3: Run the docker**

**Cmd: $docker run -d -p 5000:5000 –name registry registry:latest**

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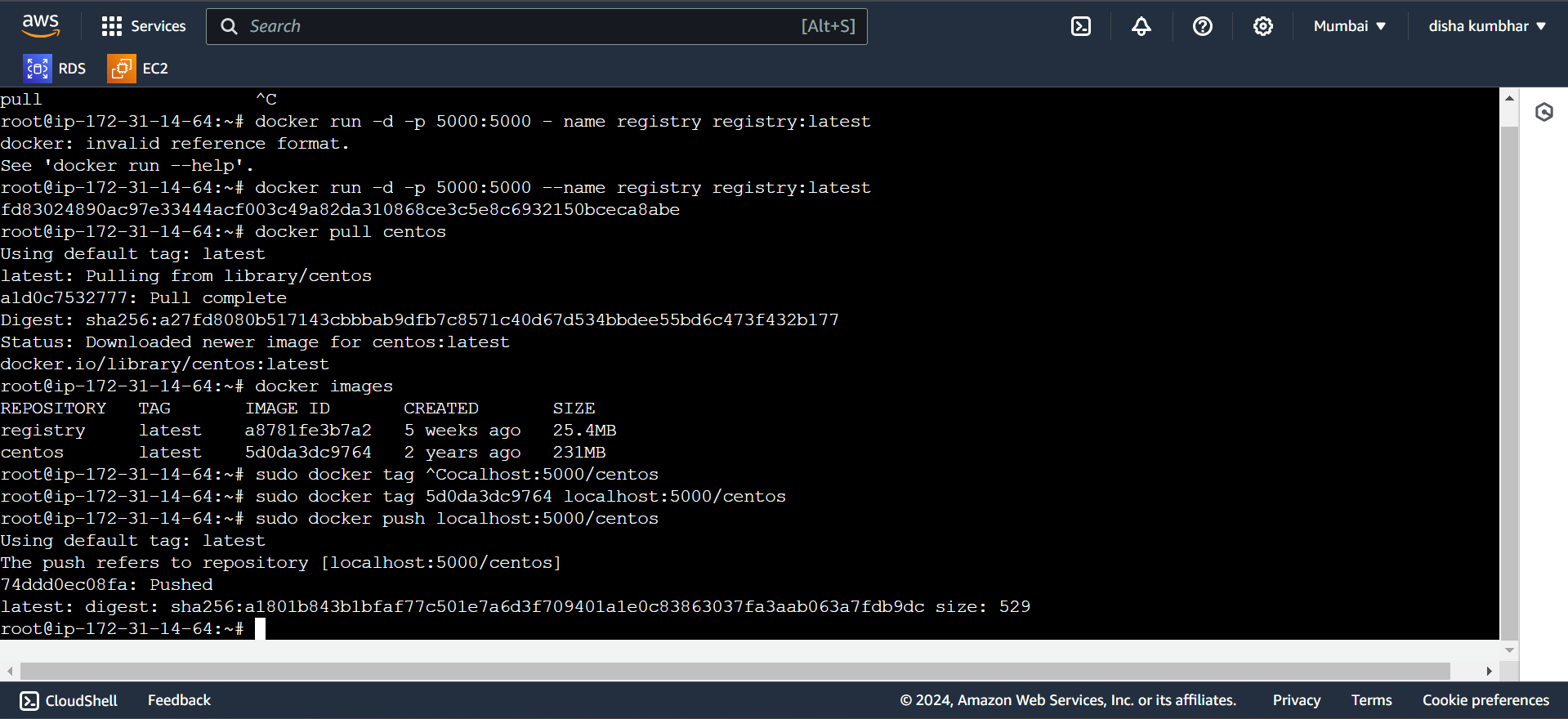
**Step 4: Pull any image from the docker hub**

**Cmd: docker pull centos**

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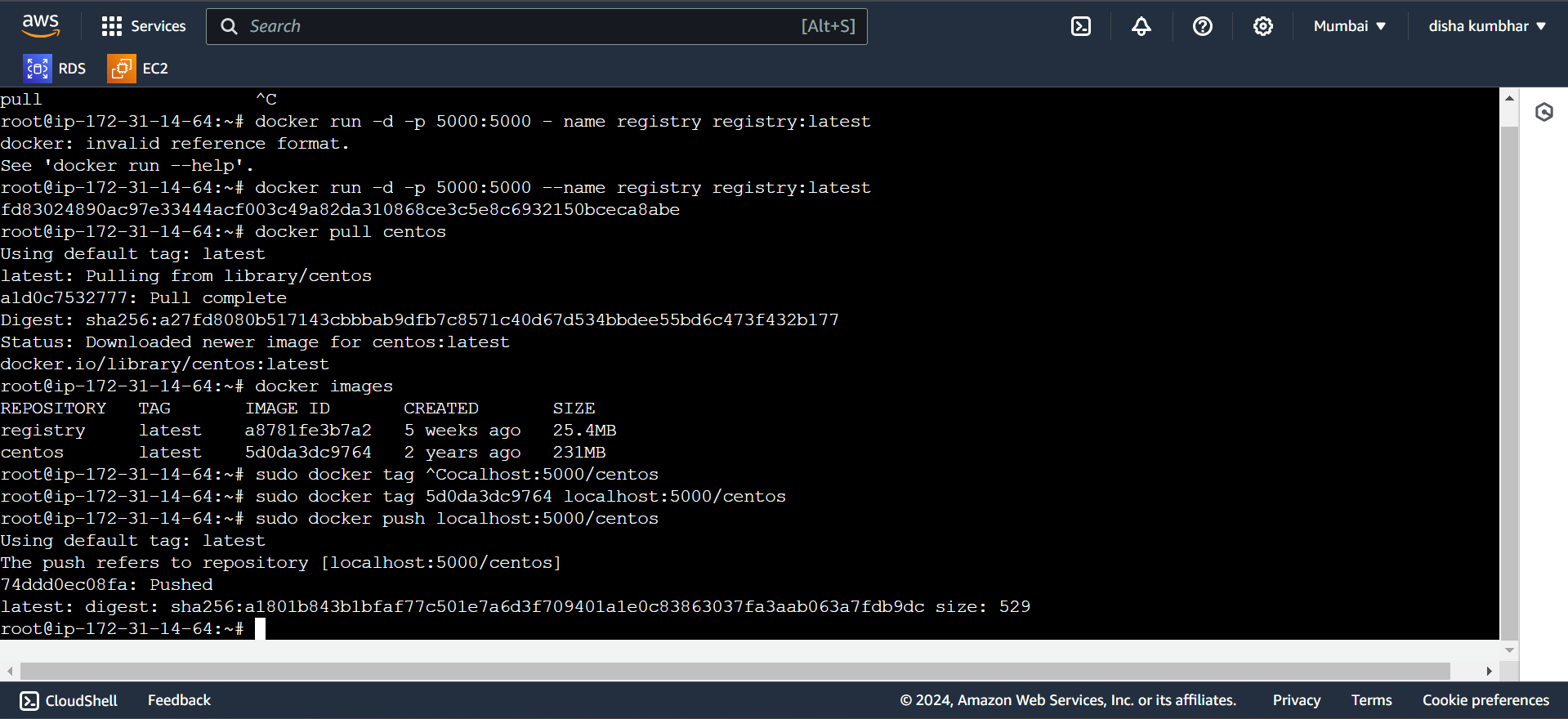
**Step 5: Tag the image centos to private registry**

**Cmd: $sudo docker tag imageid (id of the centos) localhost:5000/centos**

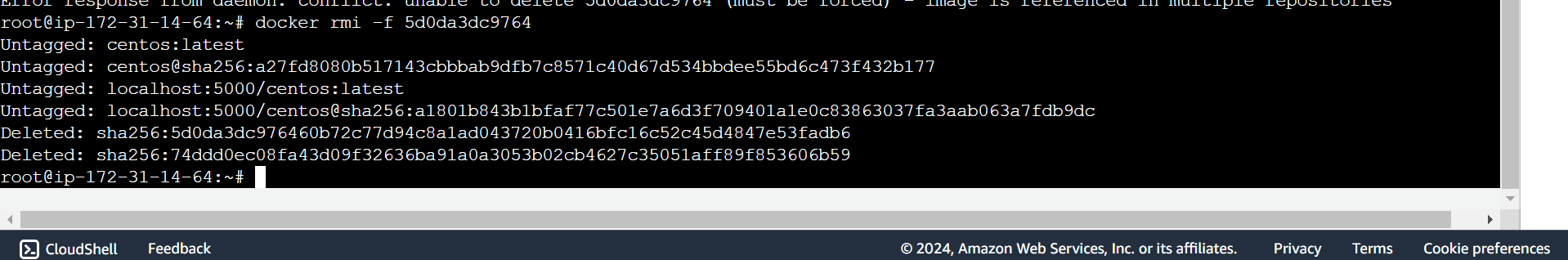
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**Step 6: Push the image to the private registry**

**Cmd: $sudo docker push localhost:5000/centos**

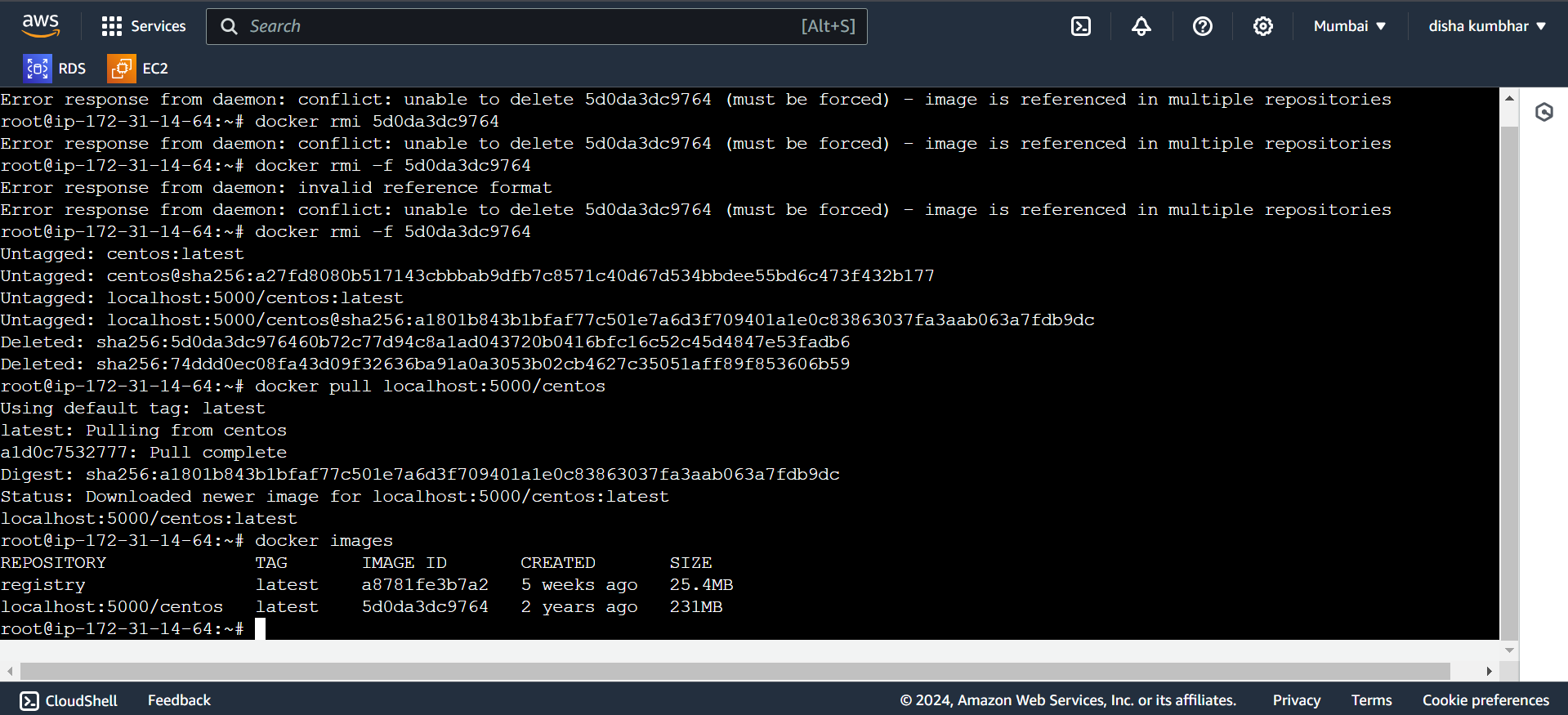
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**Step 7: After pushing the image in the private registry remove it   
Cmd: docker rmi –force imageid(centos)**

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**Step 8: Pull the image from the private registry**

**Cmd: $docker pull localhost:5000/centos**

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**End**

**Sign**

**Subject In charge: Dr. Swapnil Waghmare**