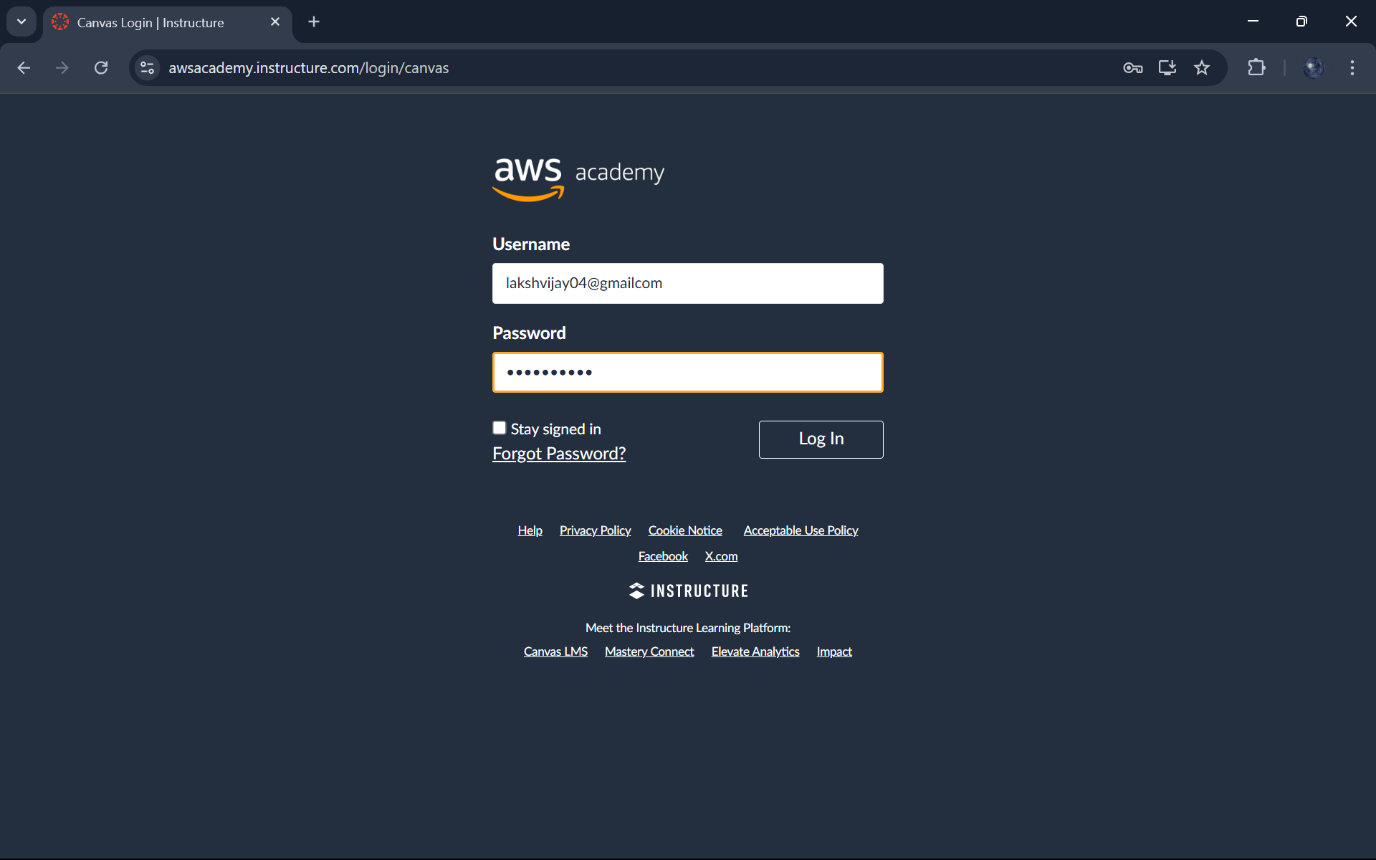
**PROJECT DEPLOYMENT IN ASW CLOUD USING EC2 INSTANCE**

**Search for aws Academy Login.**

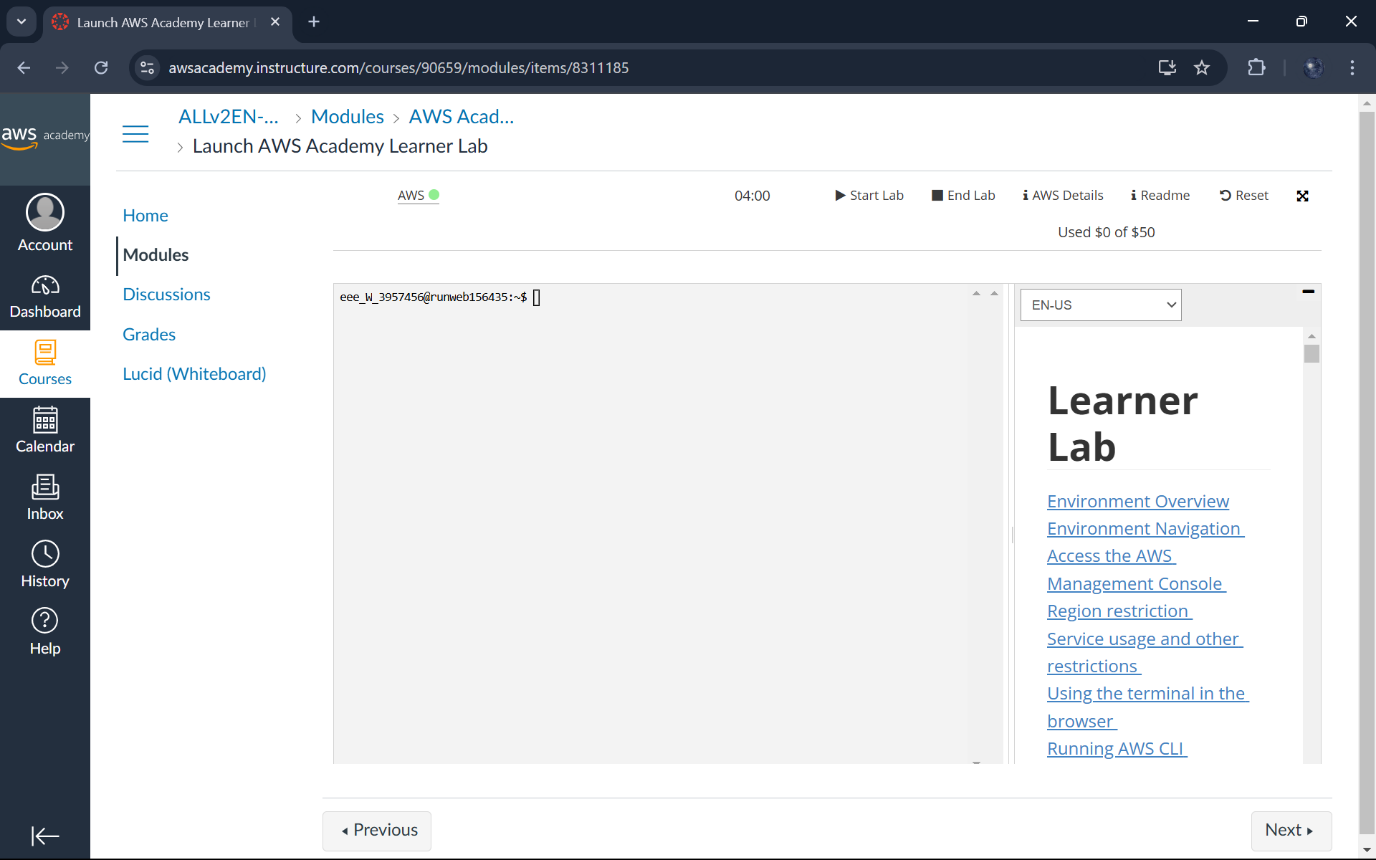
**Click on Student Login.**

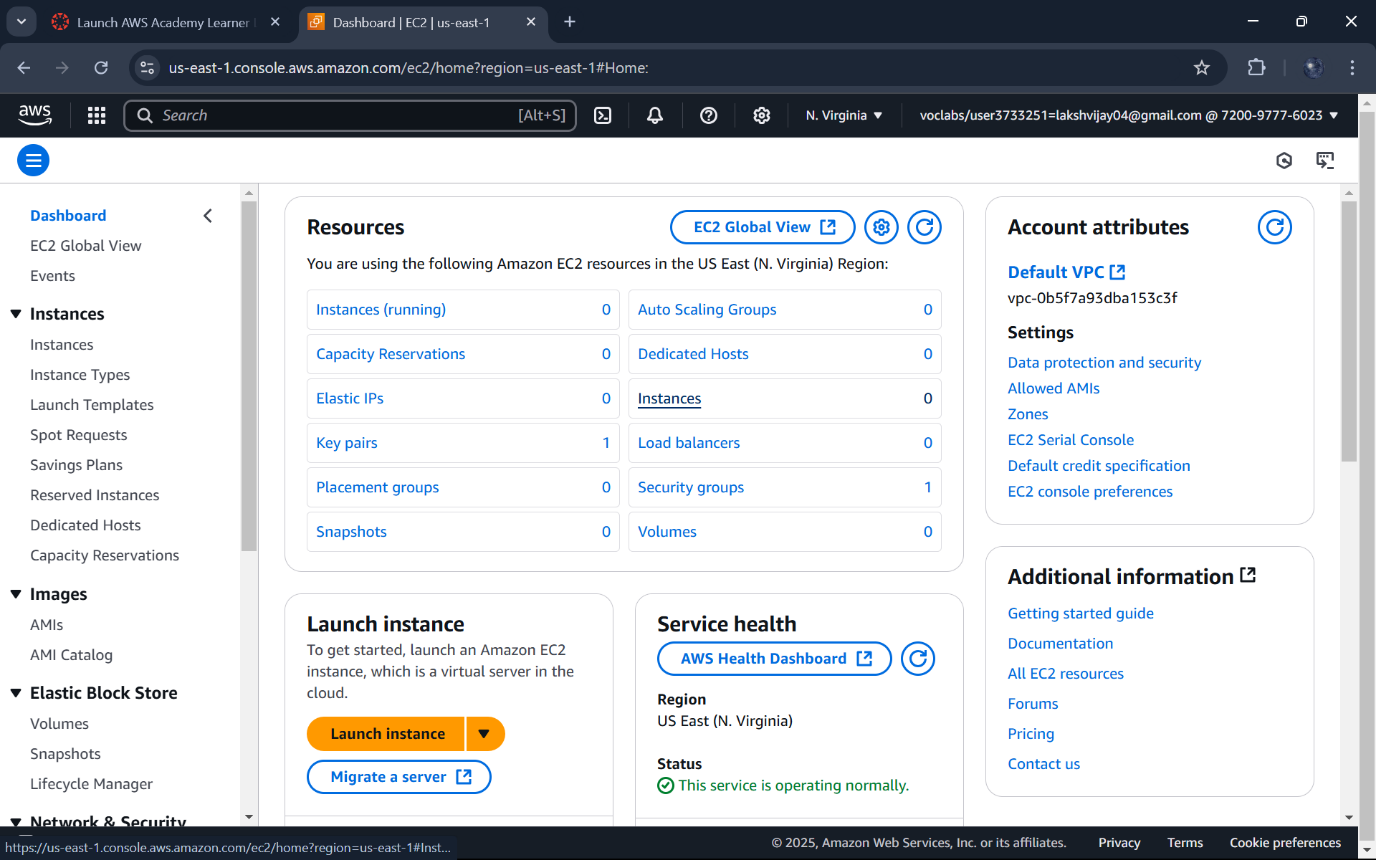
**Enter your details and login.**

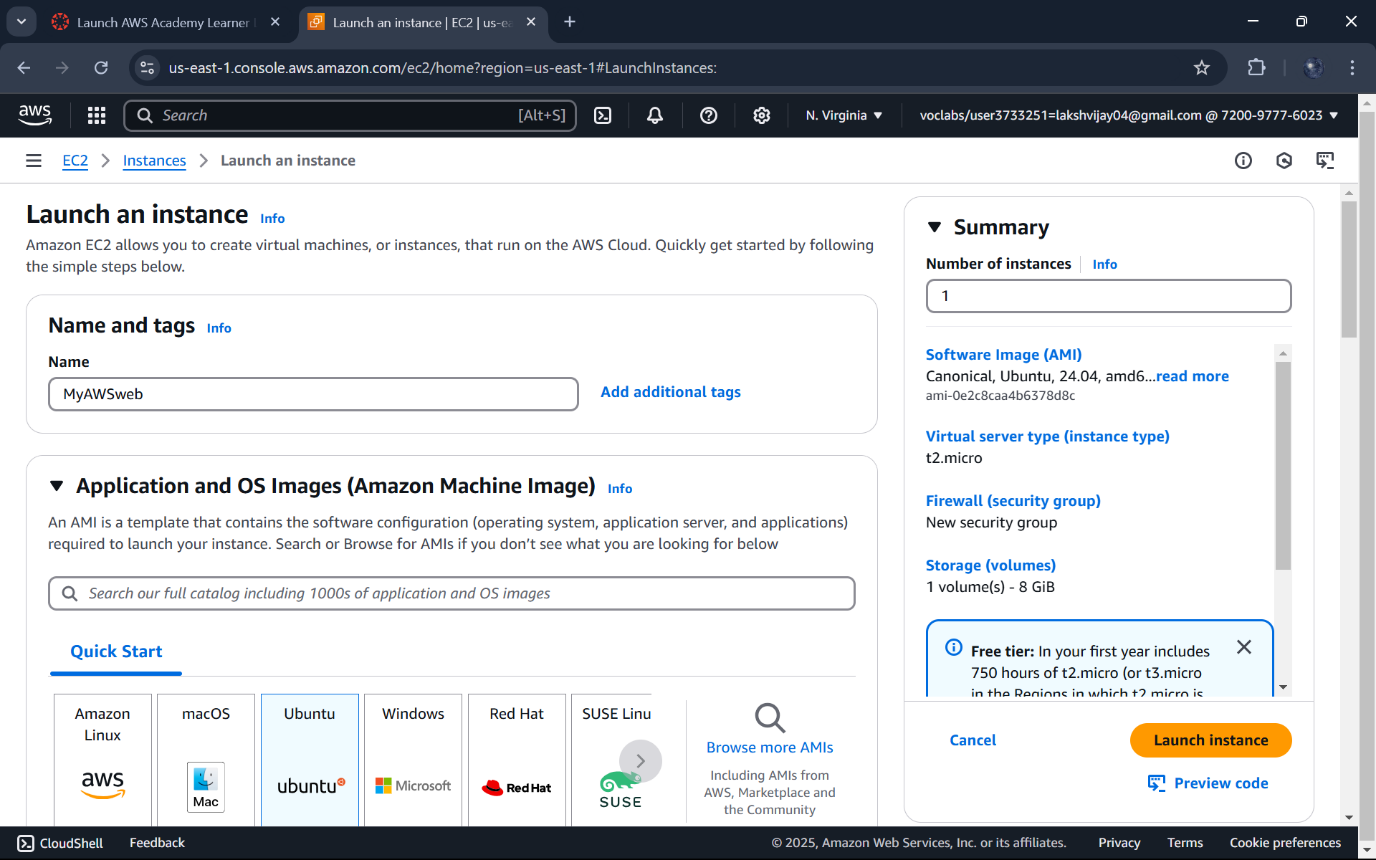
****

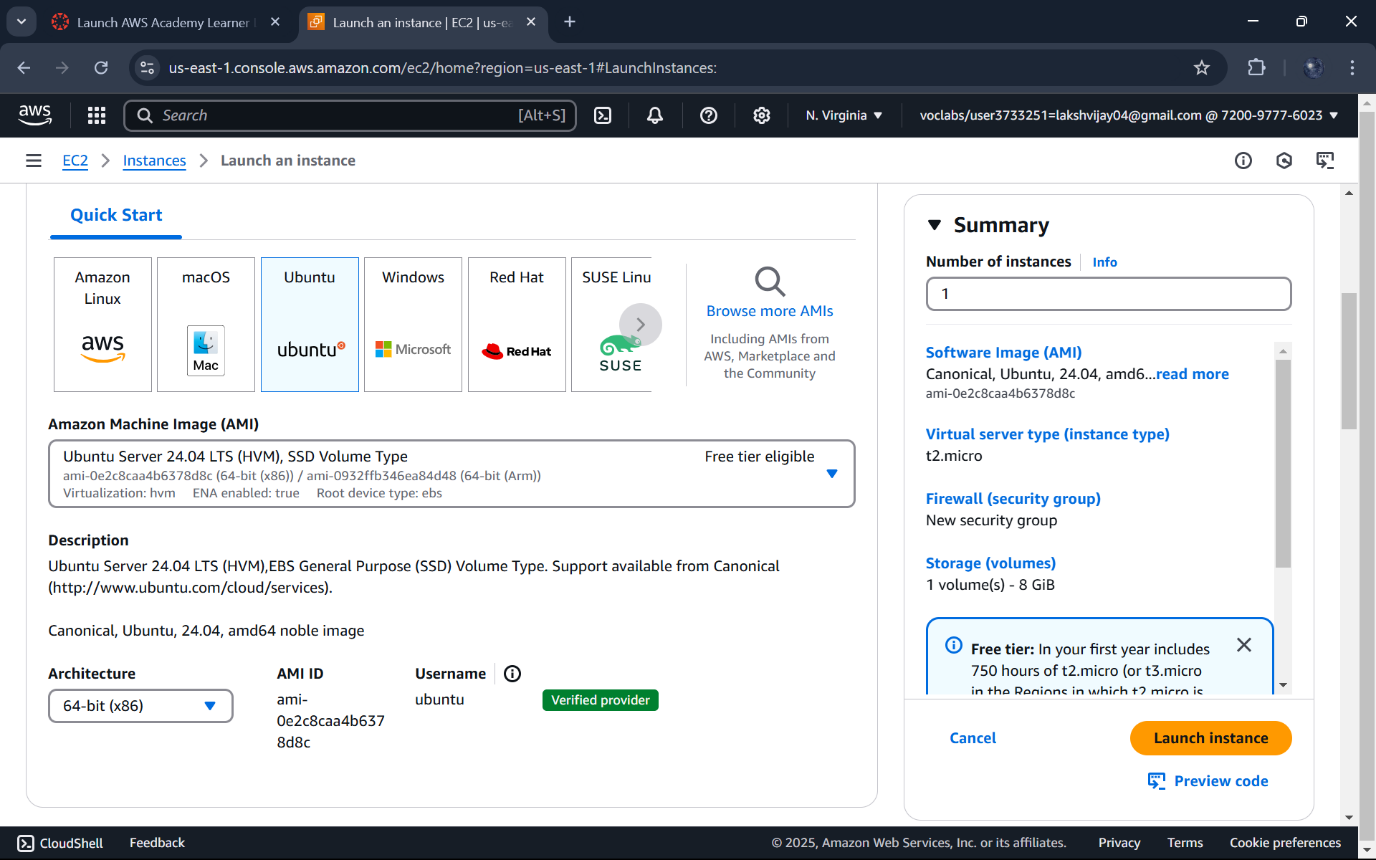
**Click on AWS academy learner lab. **

**Click on Start lab.**

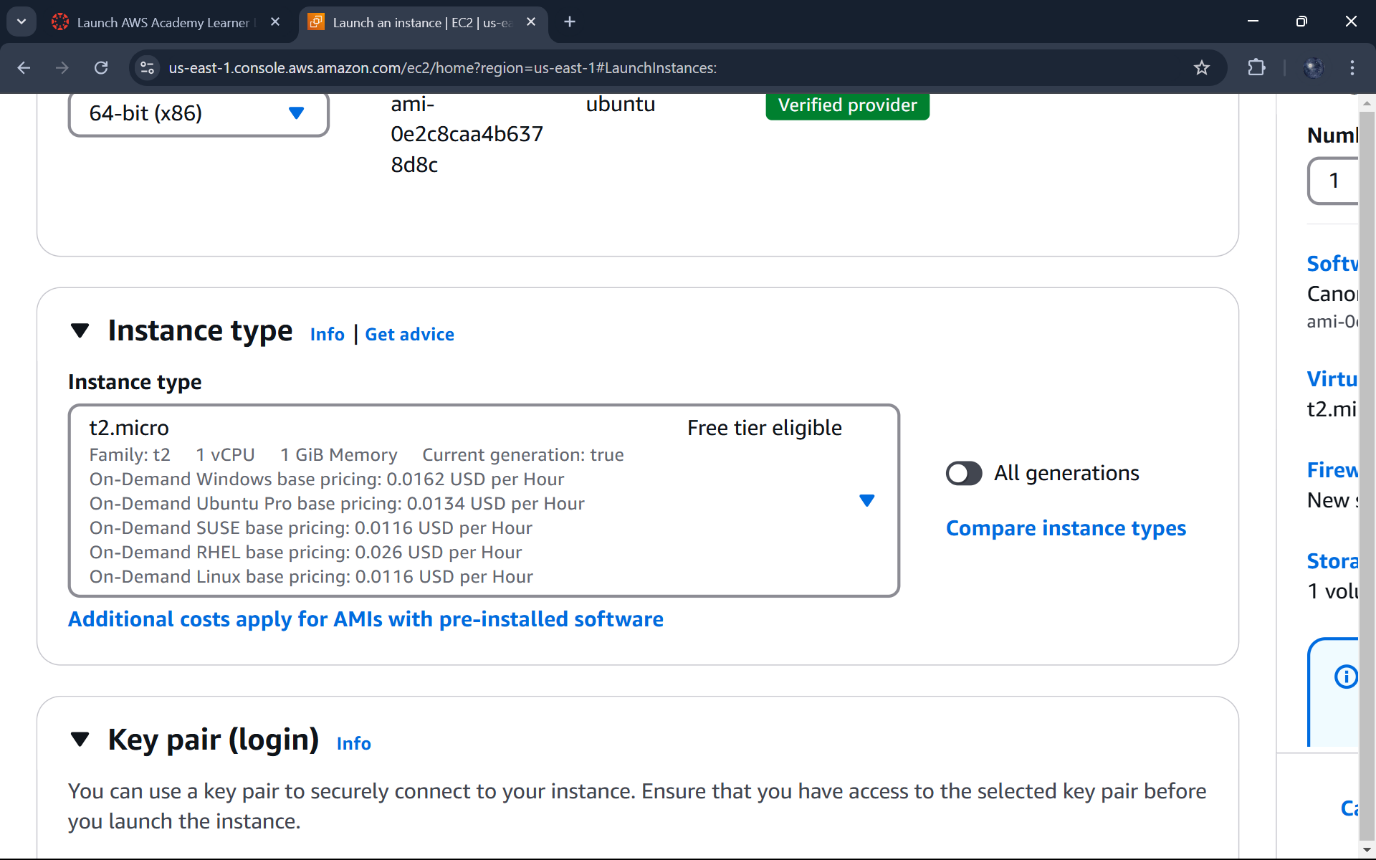
**After the dots turned green click on it. **

**Click on EC2 and click on Launch Instance.**

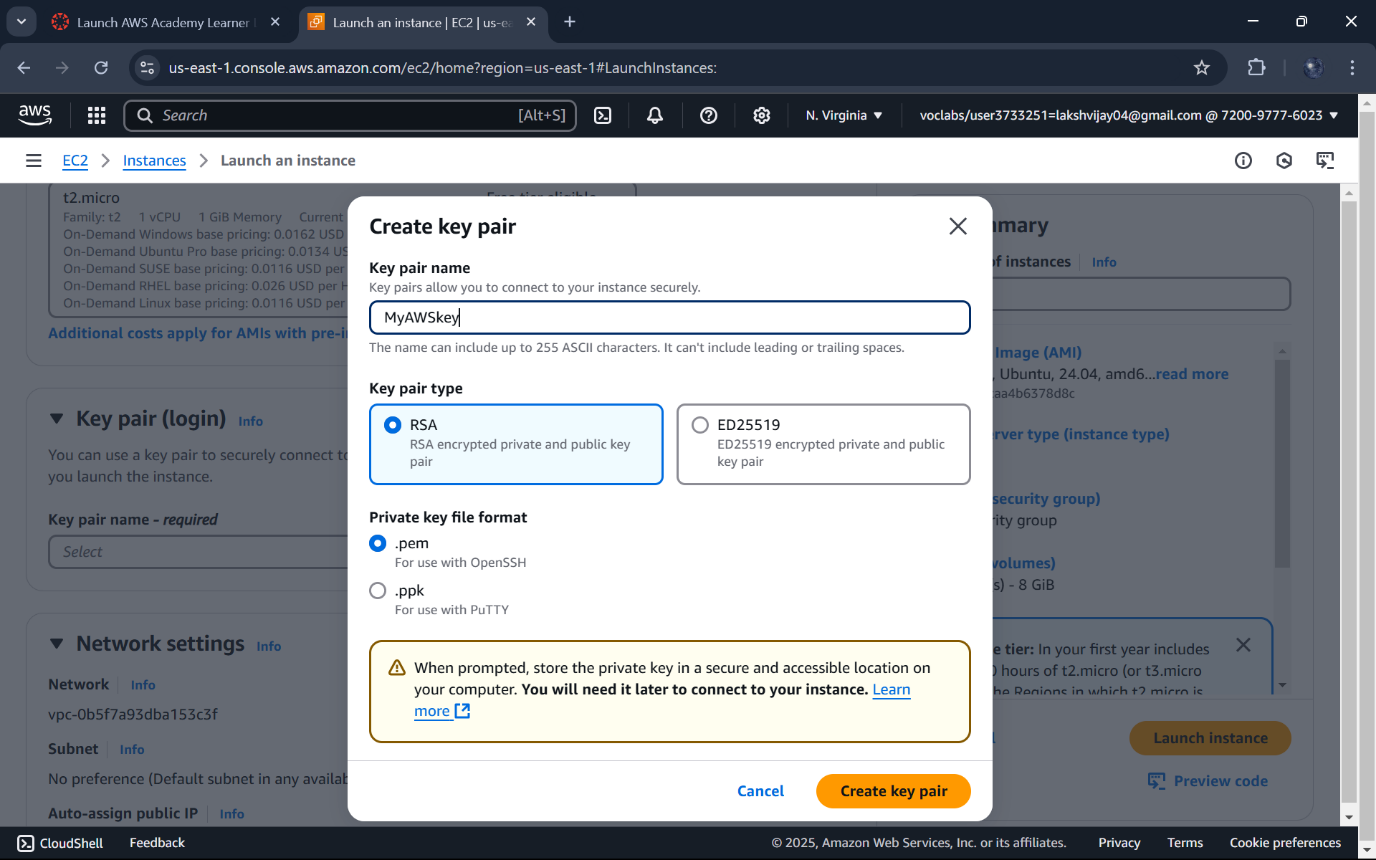
**Enter a name like “MyWebAWS” to identify your server.**

**Choose Ubuntu(free tire eligible)**

**Instance type:Select t2.micro(1 CPU,1 GB RAM)**

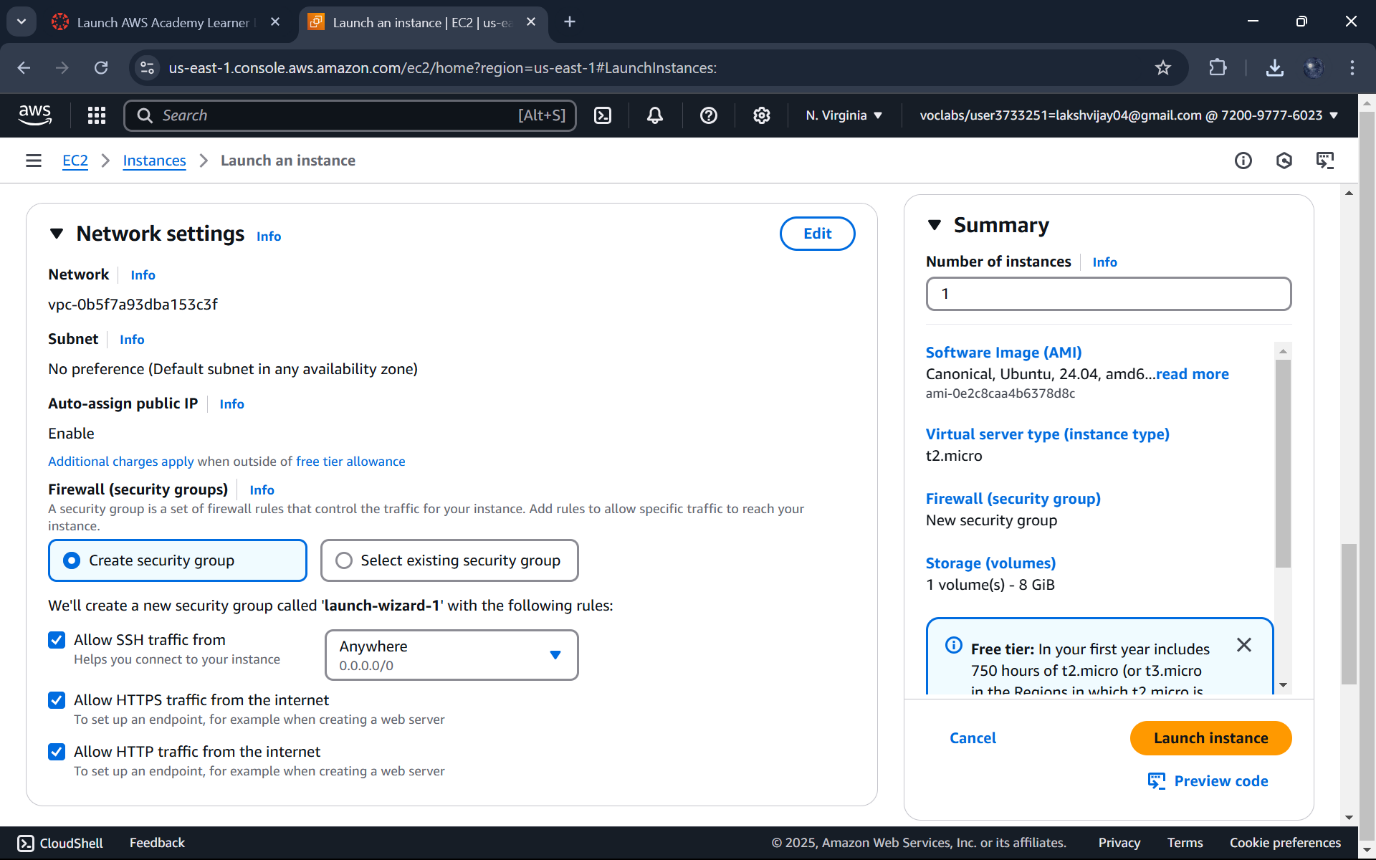
****

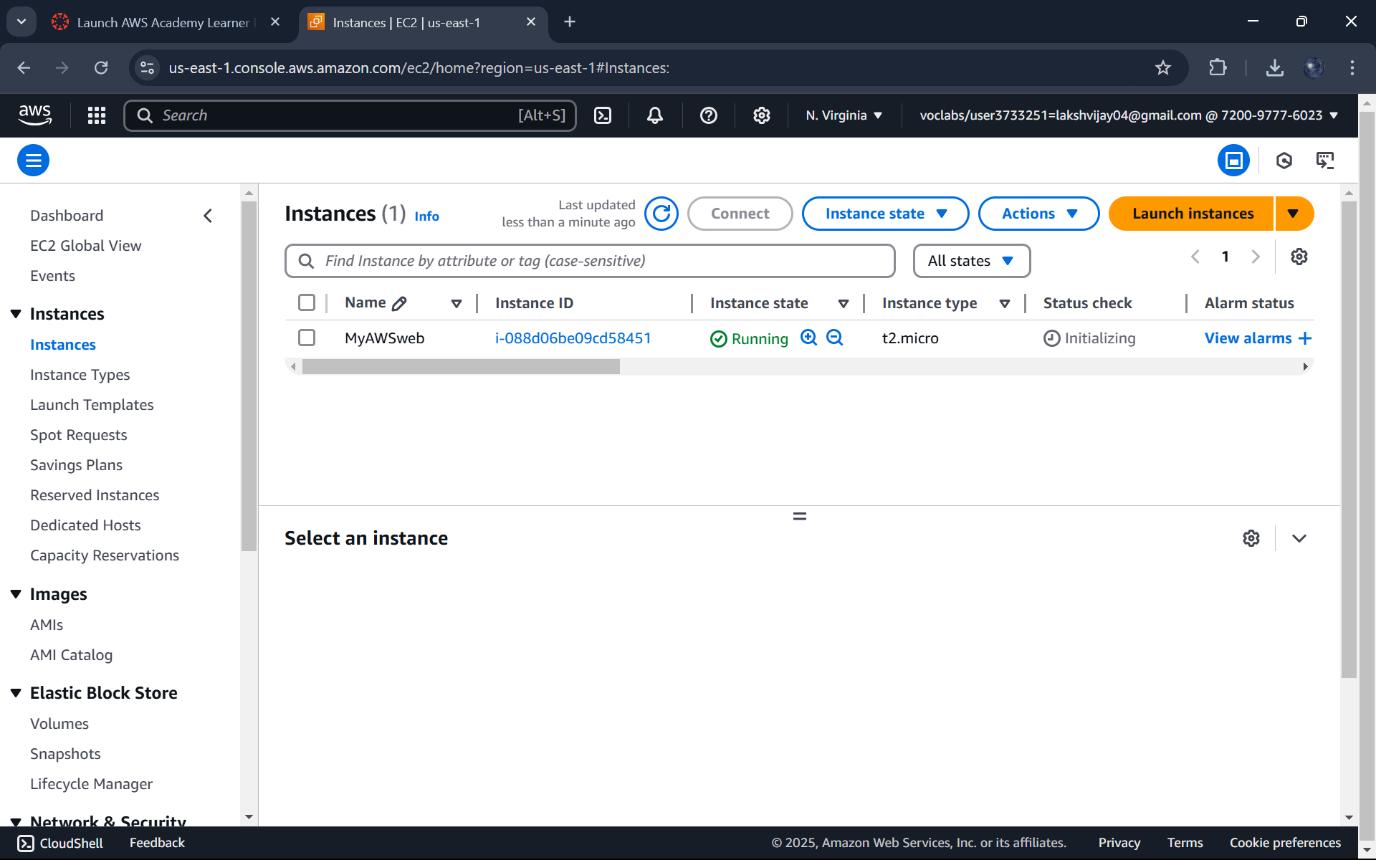
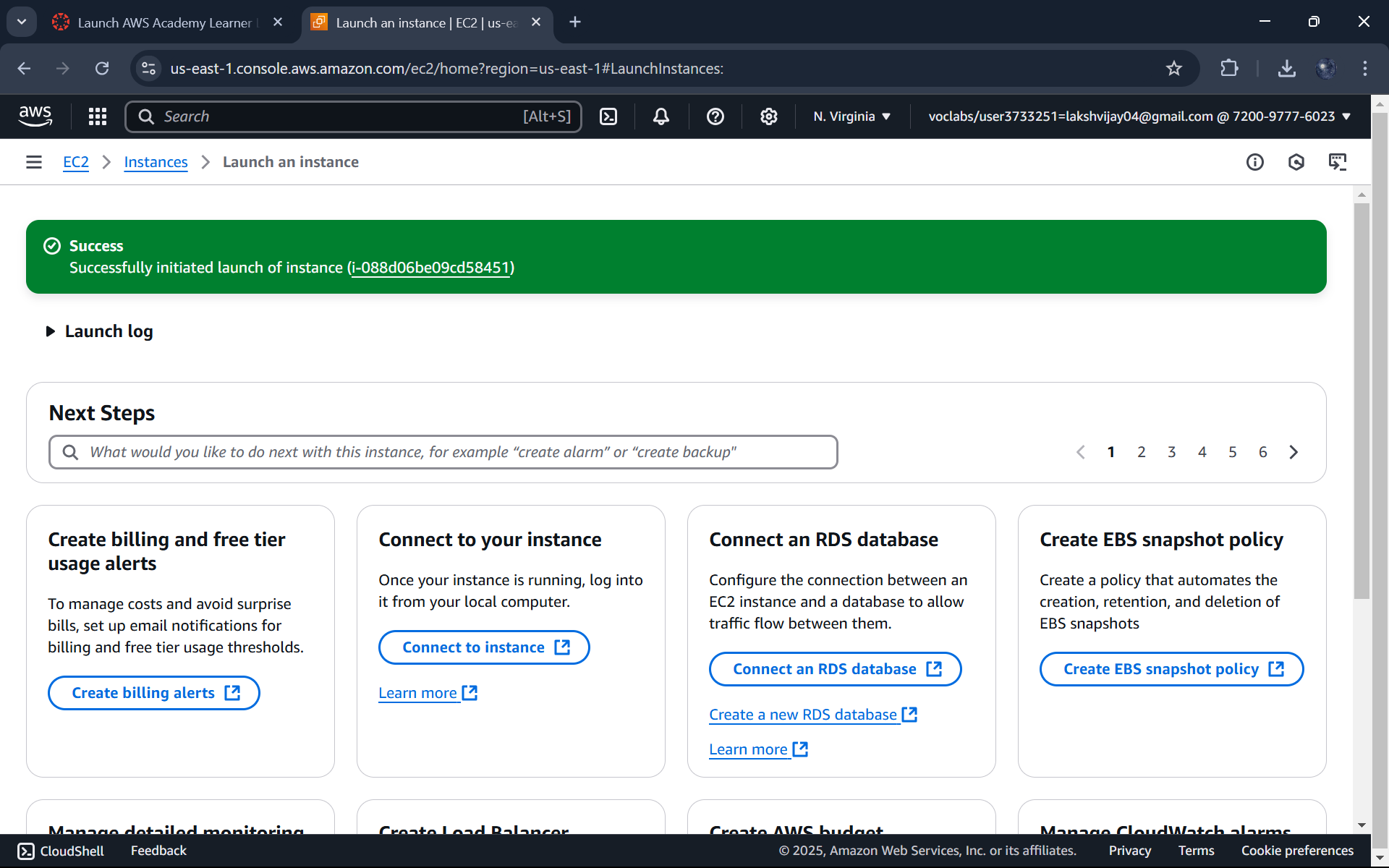
**Create a new key pair.**

**Give a name to your keypair and download the .pem file,and save it securely. **

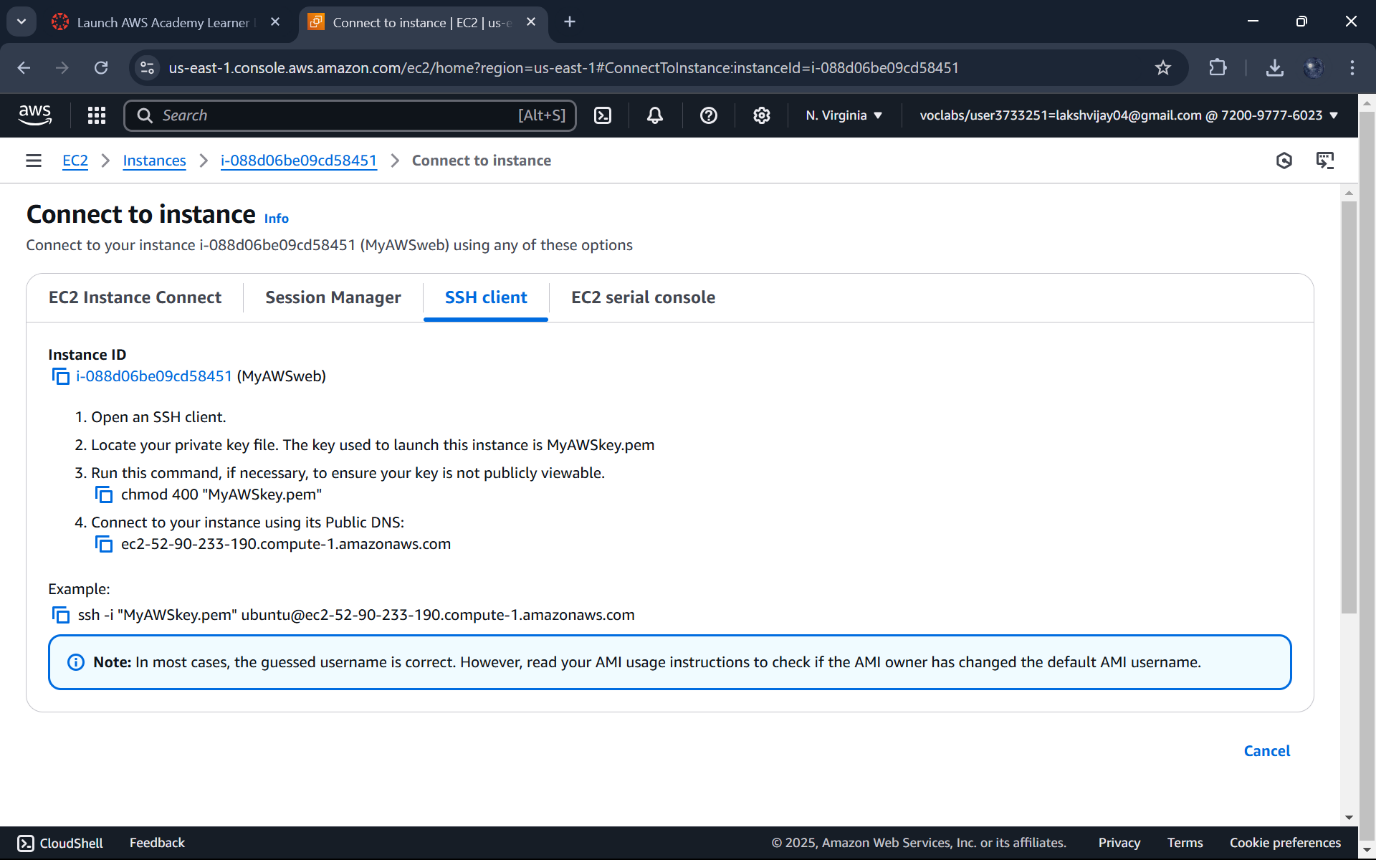
**Network:Enable Allow HTTP/HTTPS traffic to make your website accessible.**

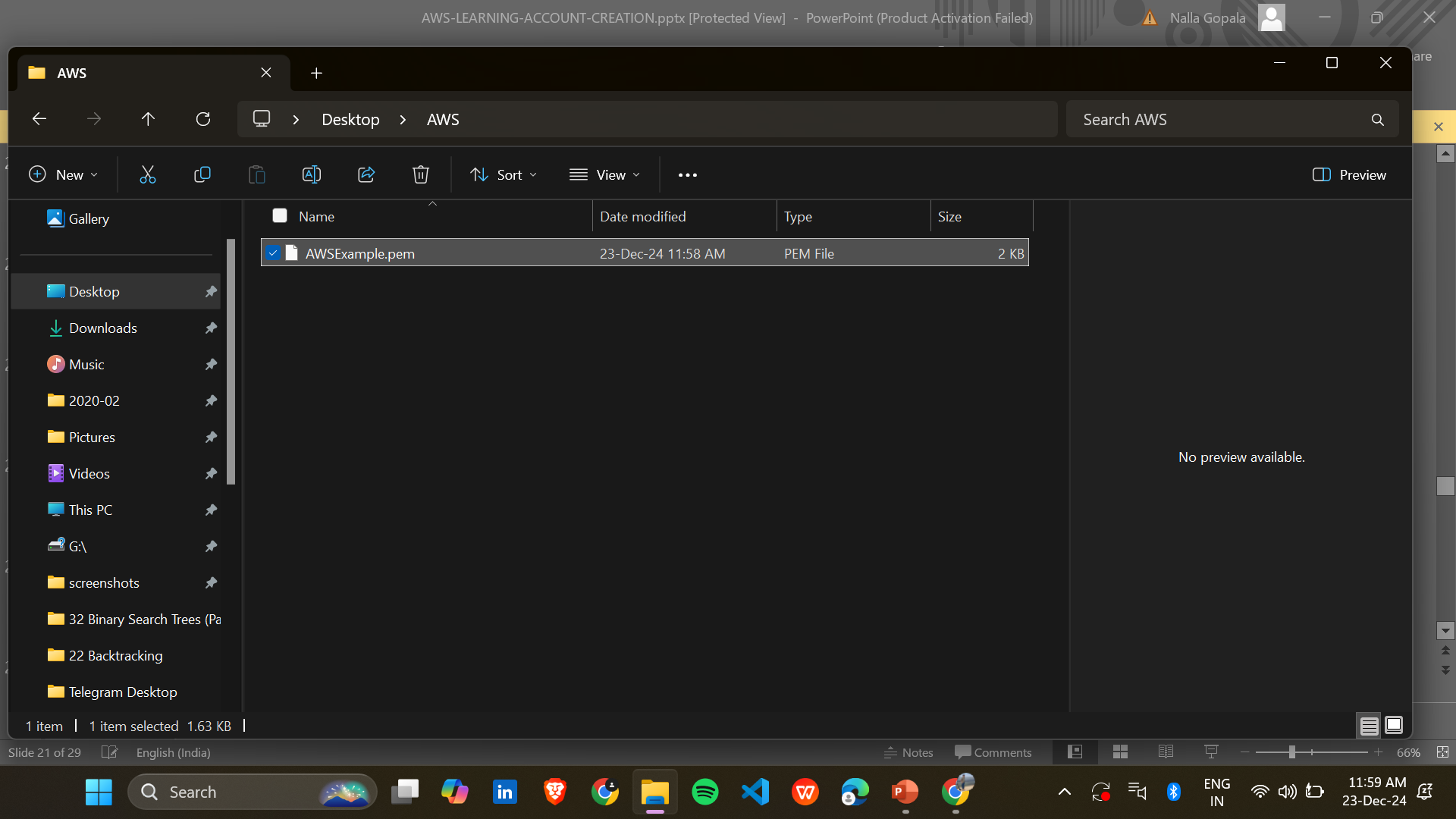
**Use the default 8 gb.**

****

**The instance is initiated successfully. **

**Select your instance,click Connect,and copy the SSH command under Example Heading.**

****

****

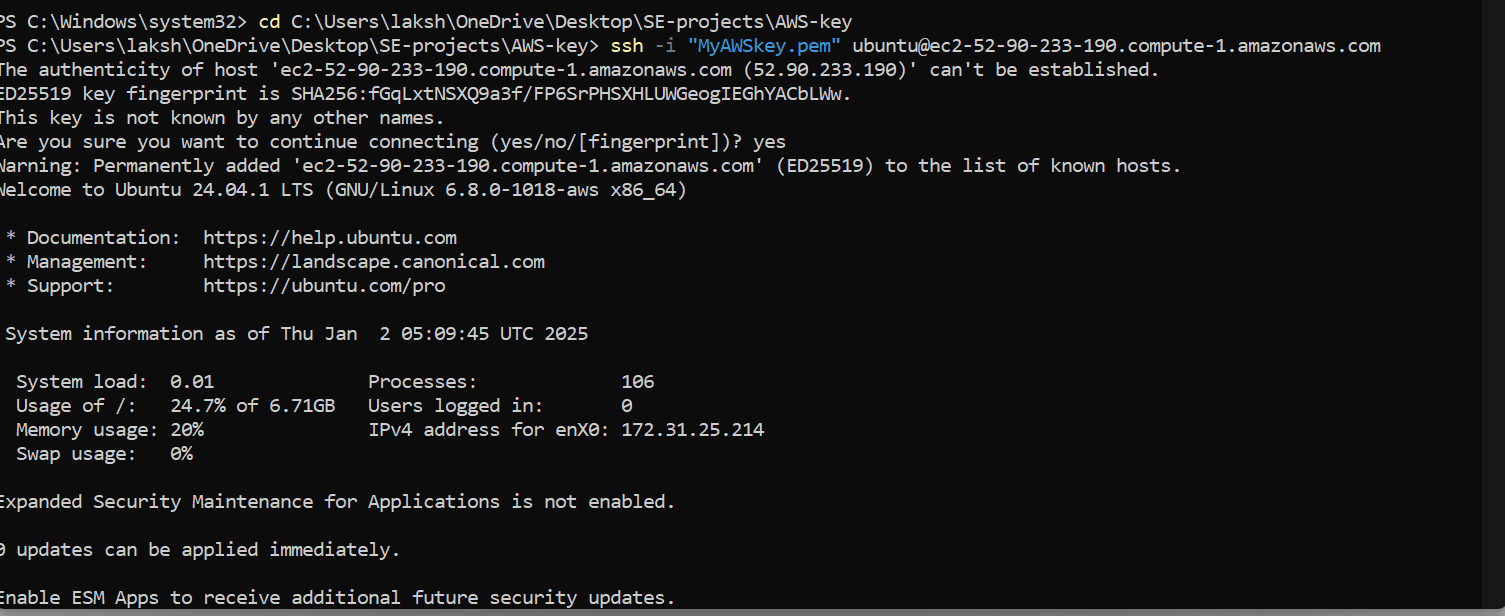
**Create a folder and copy the downloaded.pem file in it.**

**Copy the path of the folder.**

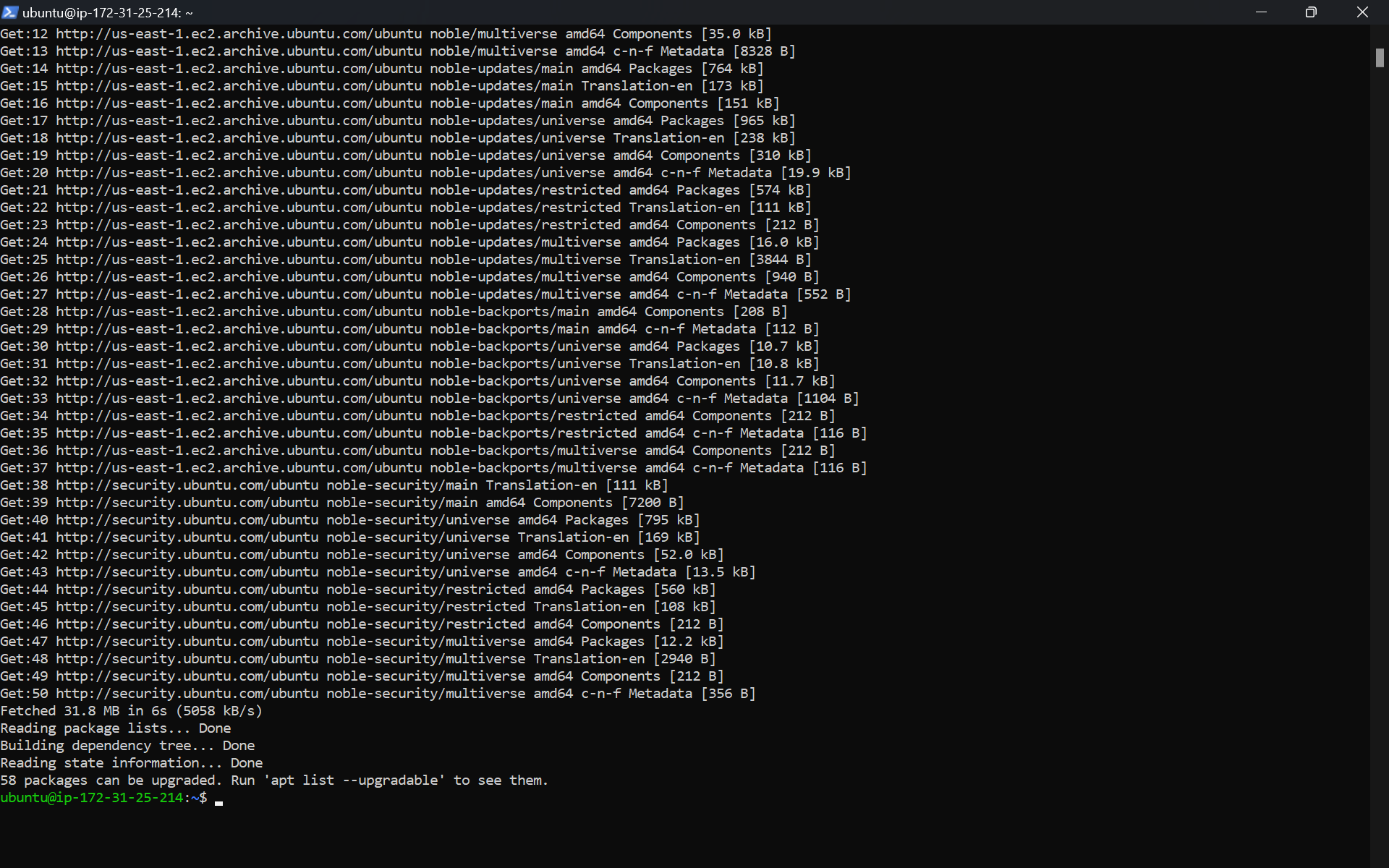
**Open powerShell on your computer and click on Run as Administartor.**

**Navigate to the folder where your .pem file is saved**

**Paste the ssh command and press enter**

**Type “yes” if prompted. **

**Update the system to ensure using sudo apt update**

****

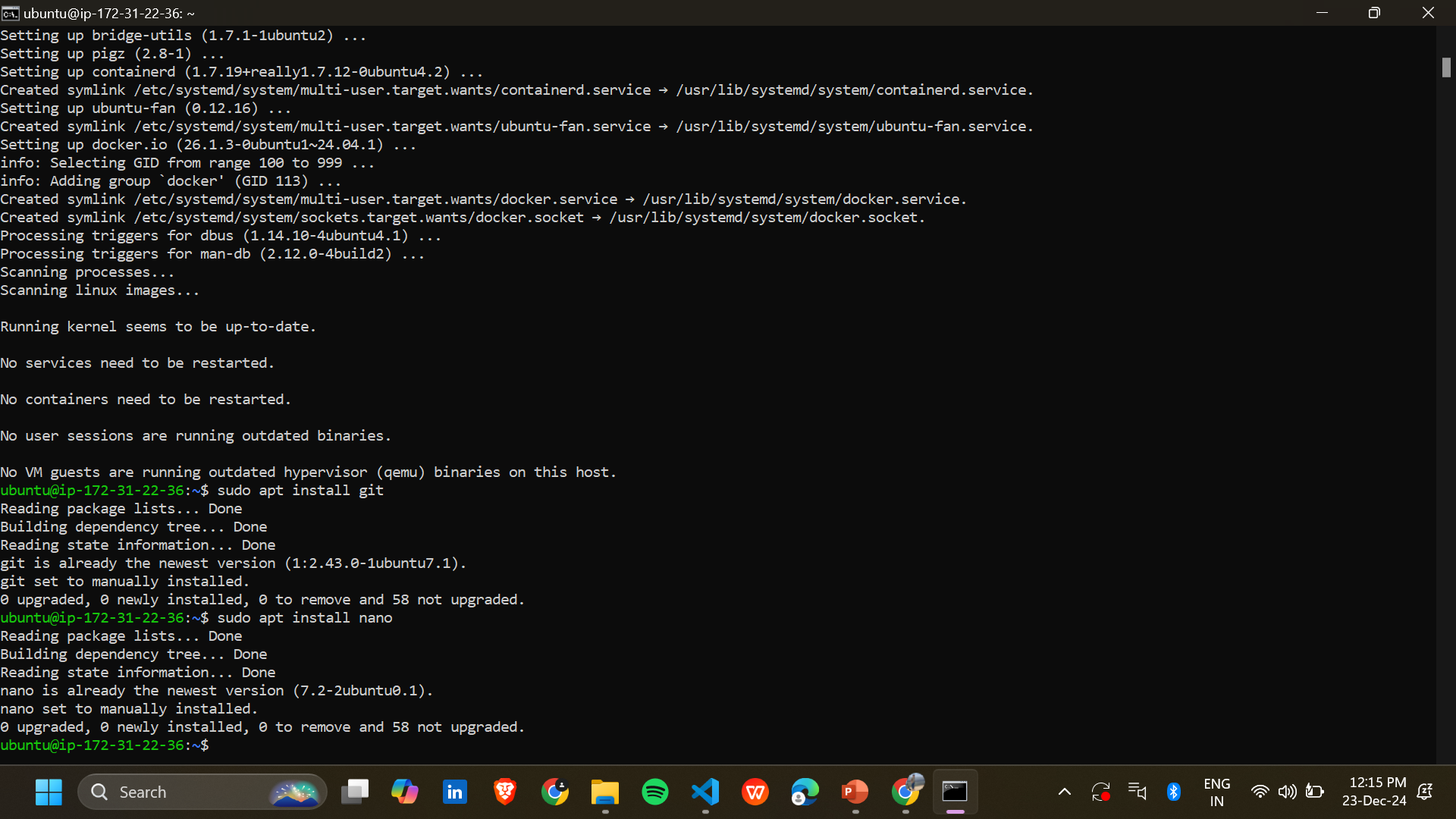
**Install Docker to package and run on web application.**

**Sudo apt-get install docker.io**

**Install git to manage and download code.**

**Sudo apt install git**

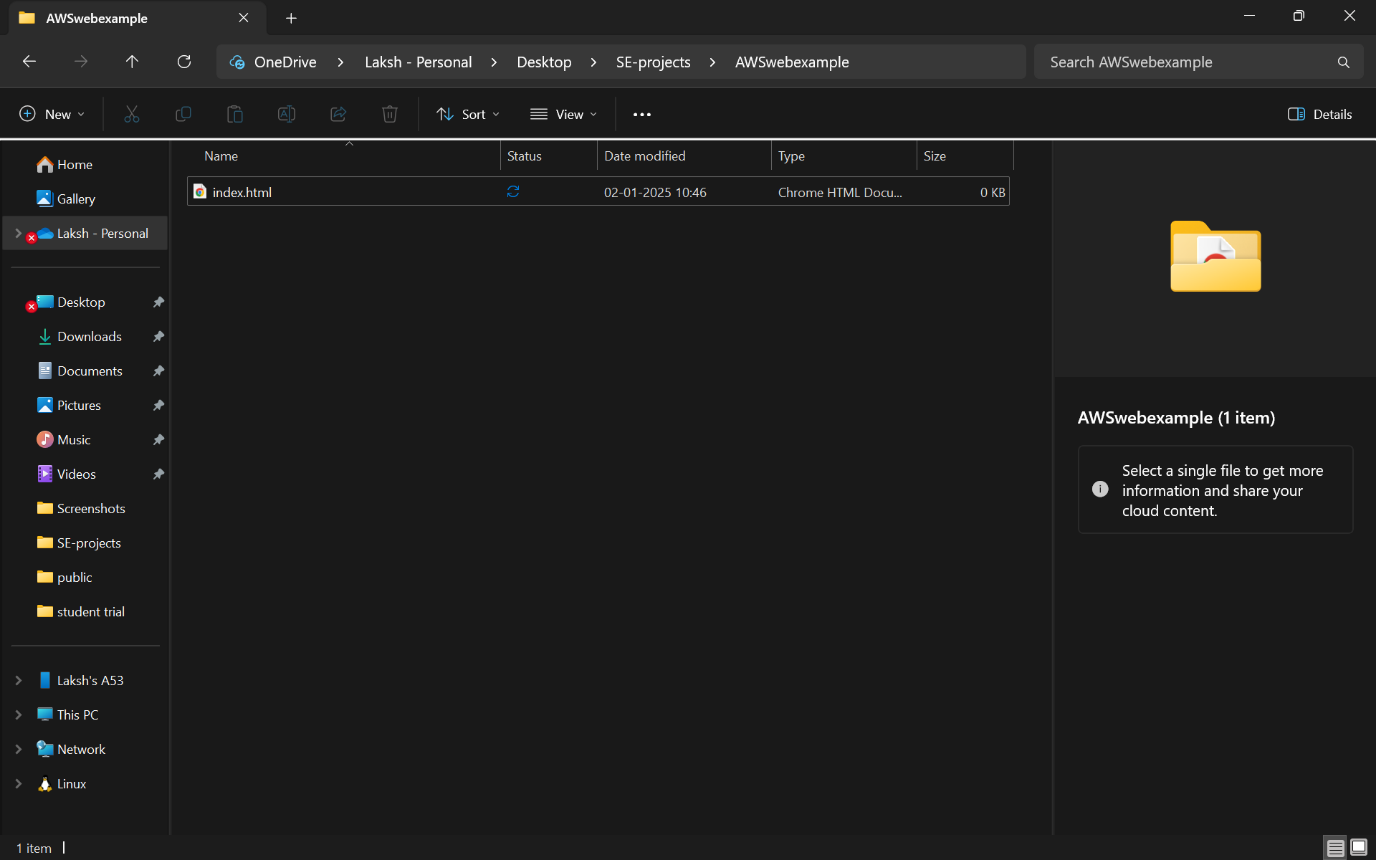
**Install nano for editing files directly on the server.**

**Sudo apt install nano**

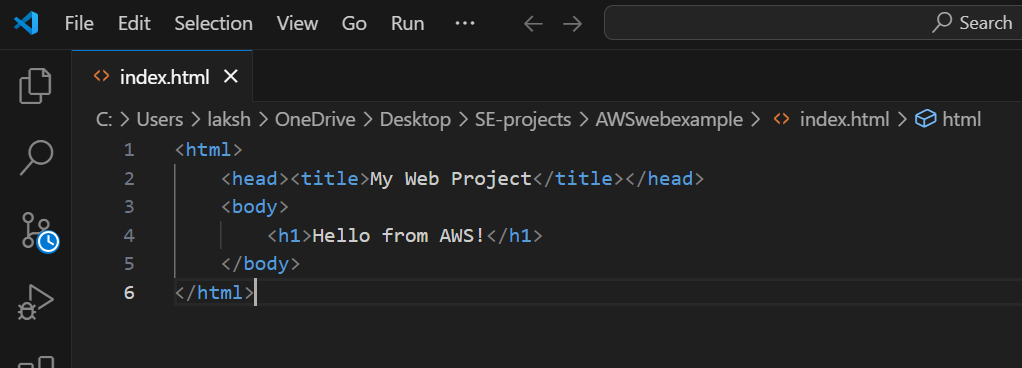
**Create your Web application**

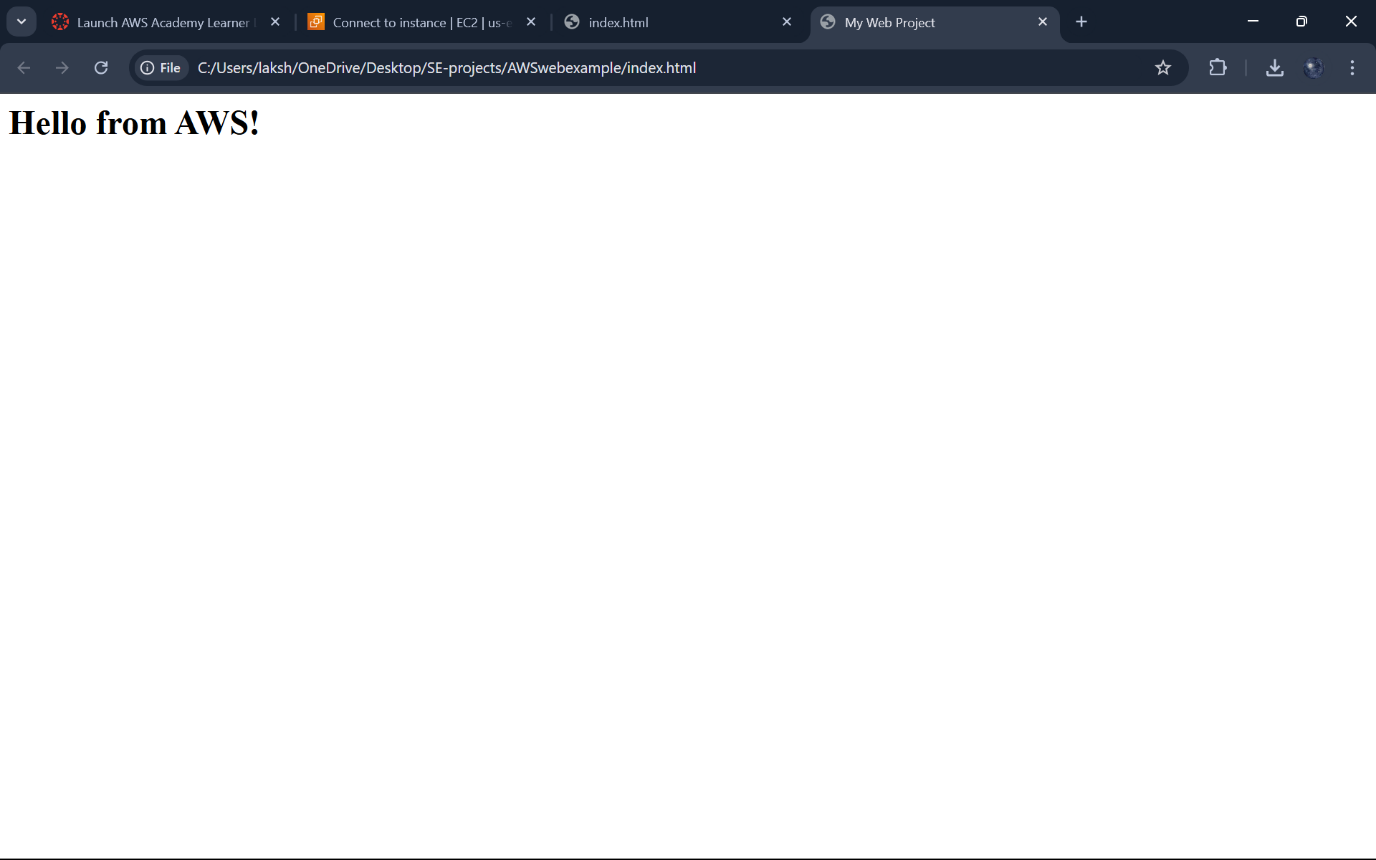
**In this step ,we will build a simple page upload it to Github.**

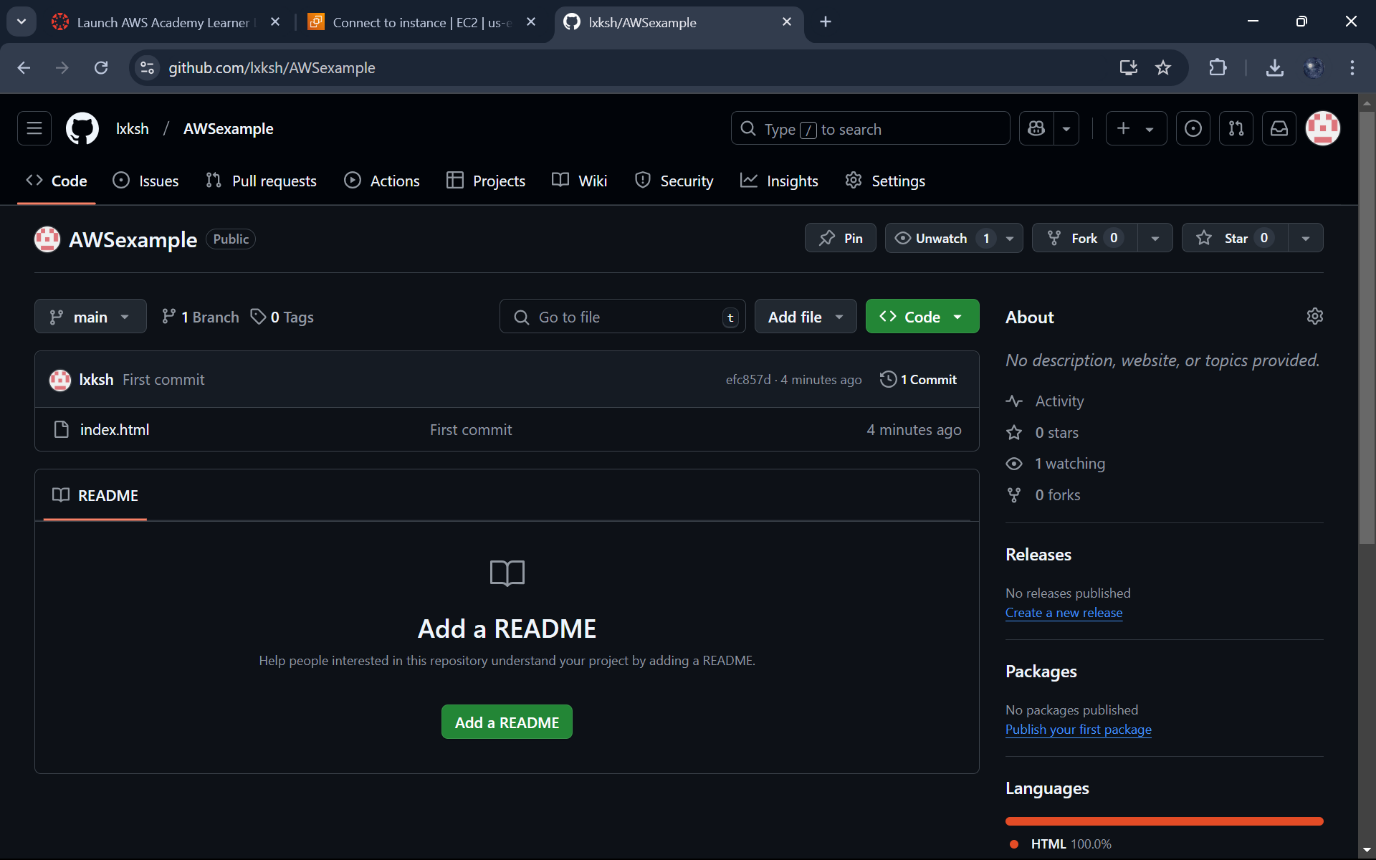
**Create a folder in your Desktop.**

****

**On your computer,create a file named index.html and add the following content:**

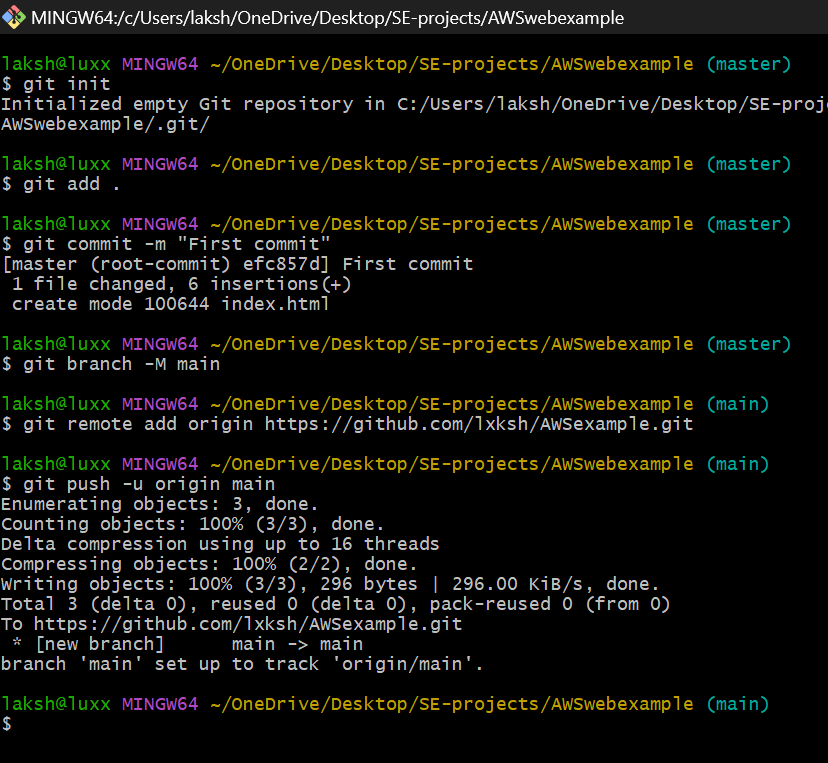
**Hello from AWS**

****

**Open your github account->Create new repository. **

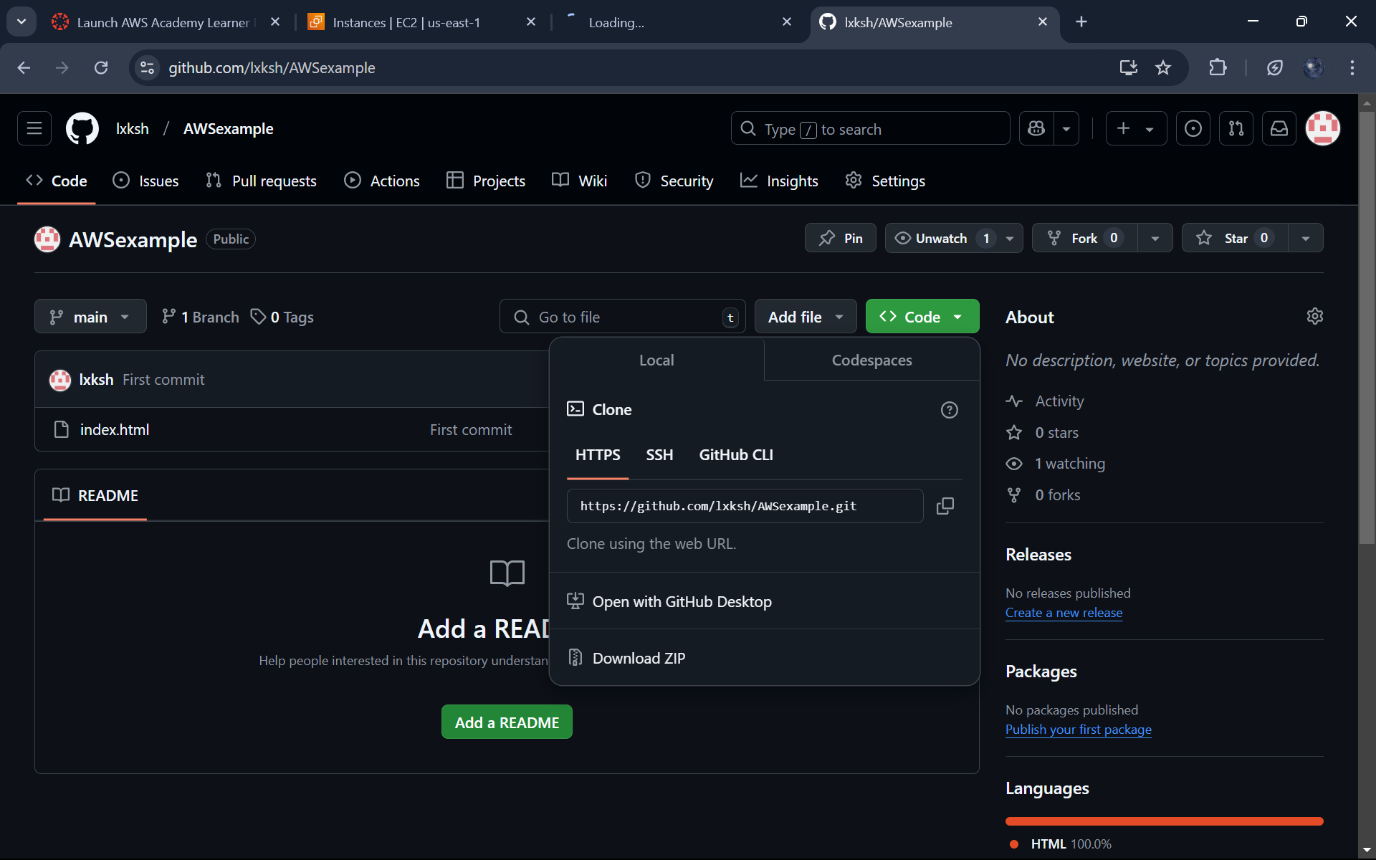
**Initialize git folder in it.**

**git add . to stage all changes**

**Git commit -m”First Commit” to commit the changes.**

**On the EC2 instance,clone your GitHub repository:**

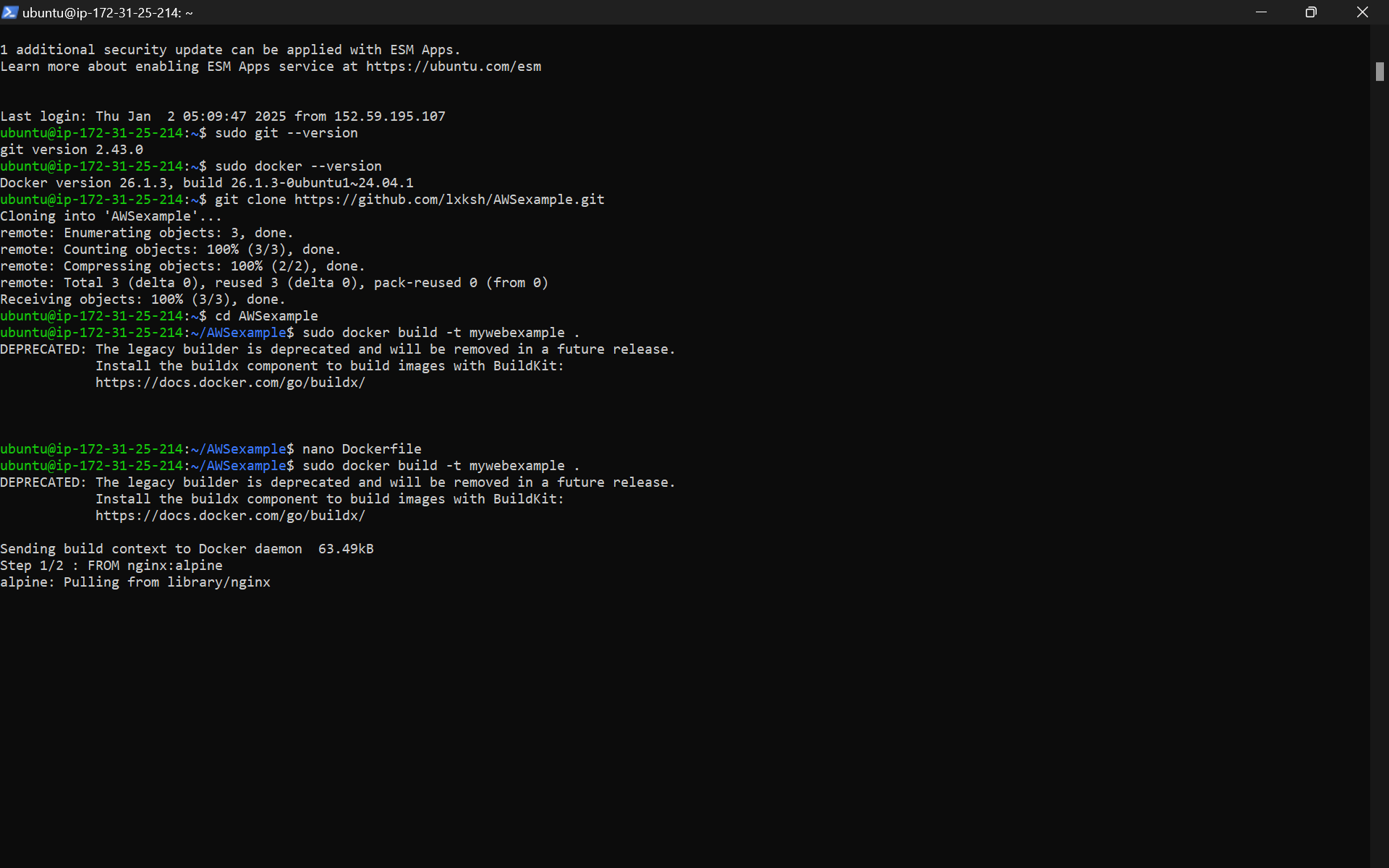
**git clone “your repo URL”**

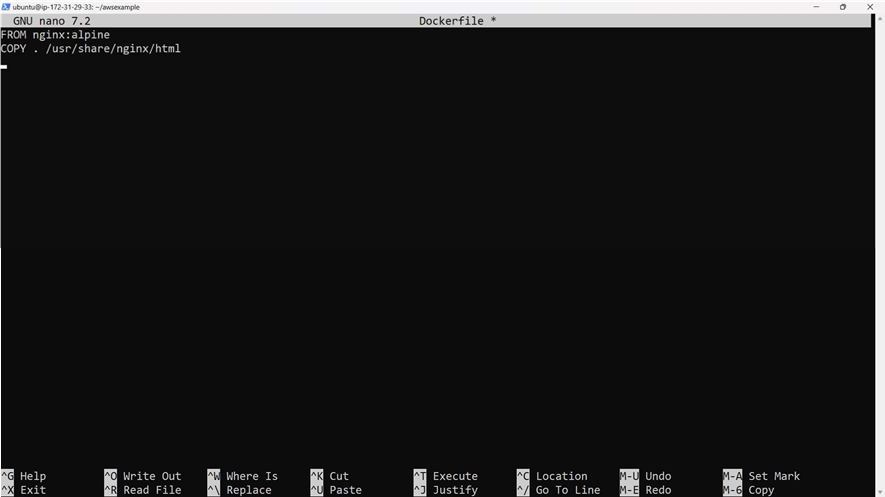
****

**Check if repo is cloned or not by typing ls.**

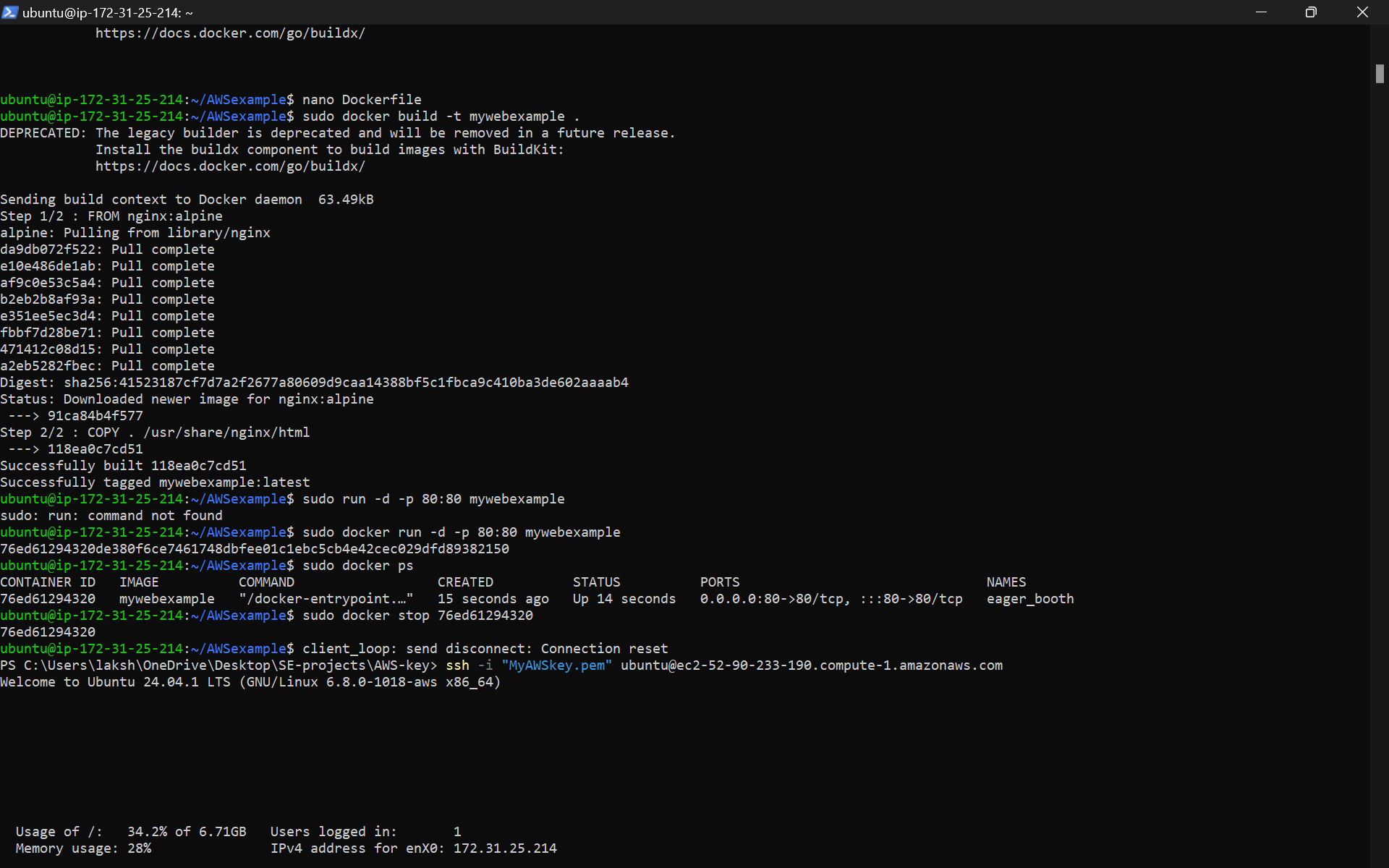
**Change your directory to the repo.**

**Build Docker container**

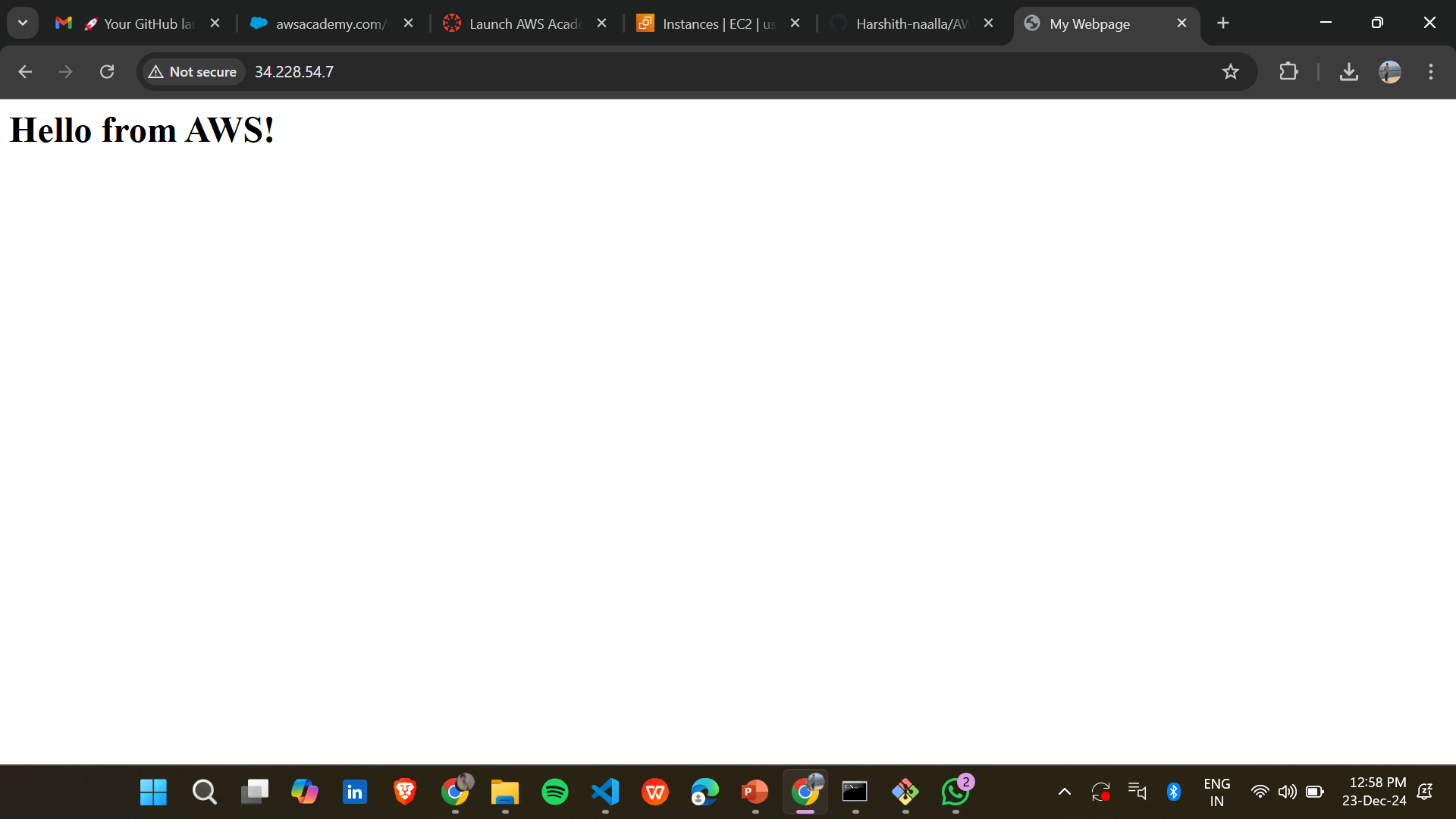
**Sudo docker build -t mywebexample**

**Add the above content to the file**

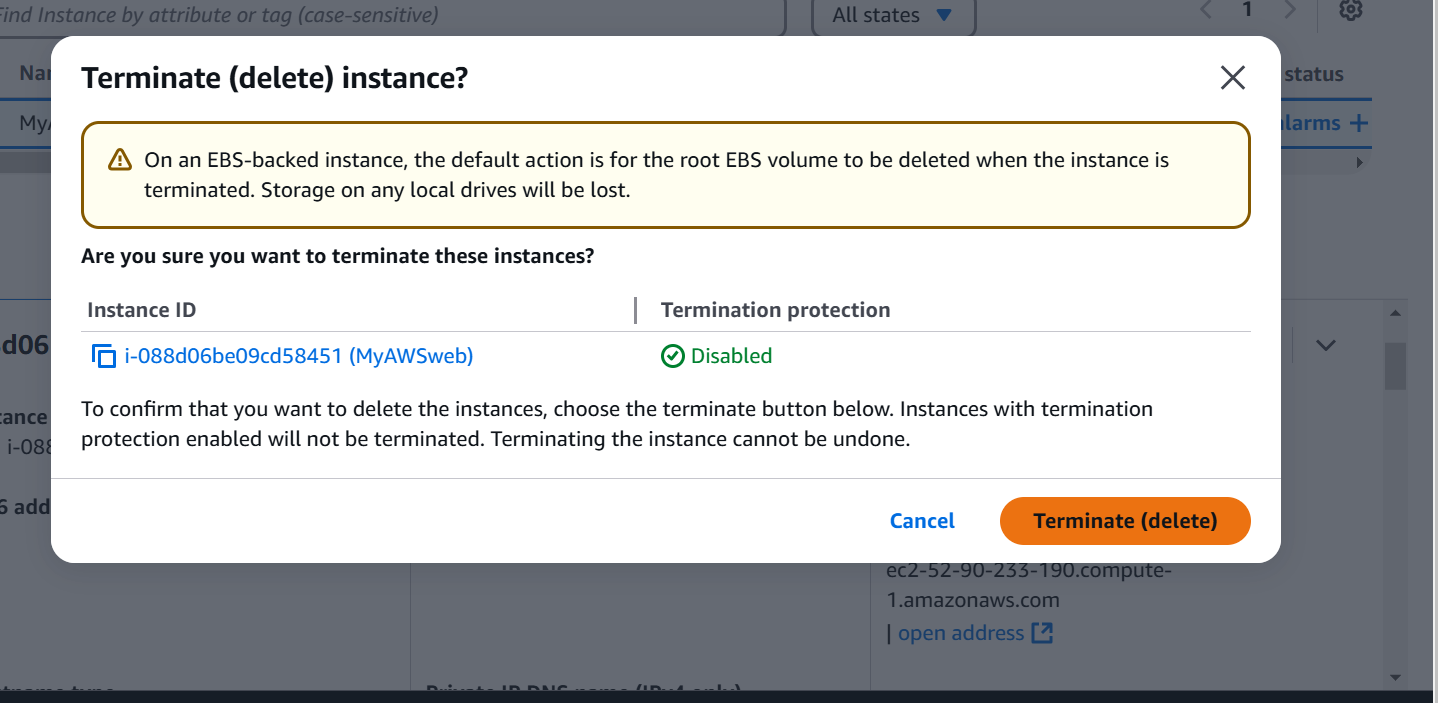
**Run the docker container to serve the web application:**

**Sudo docker run -d -p 80:80 mywebexample**

**You will get output like this.**

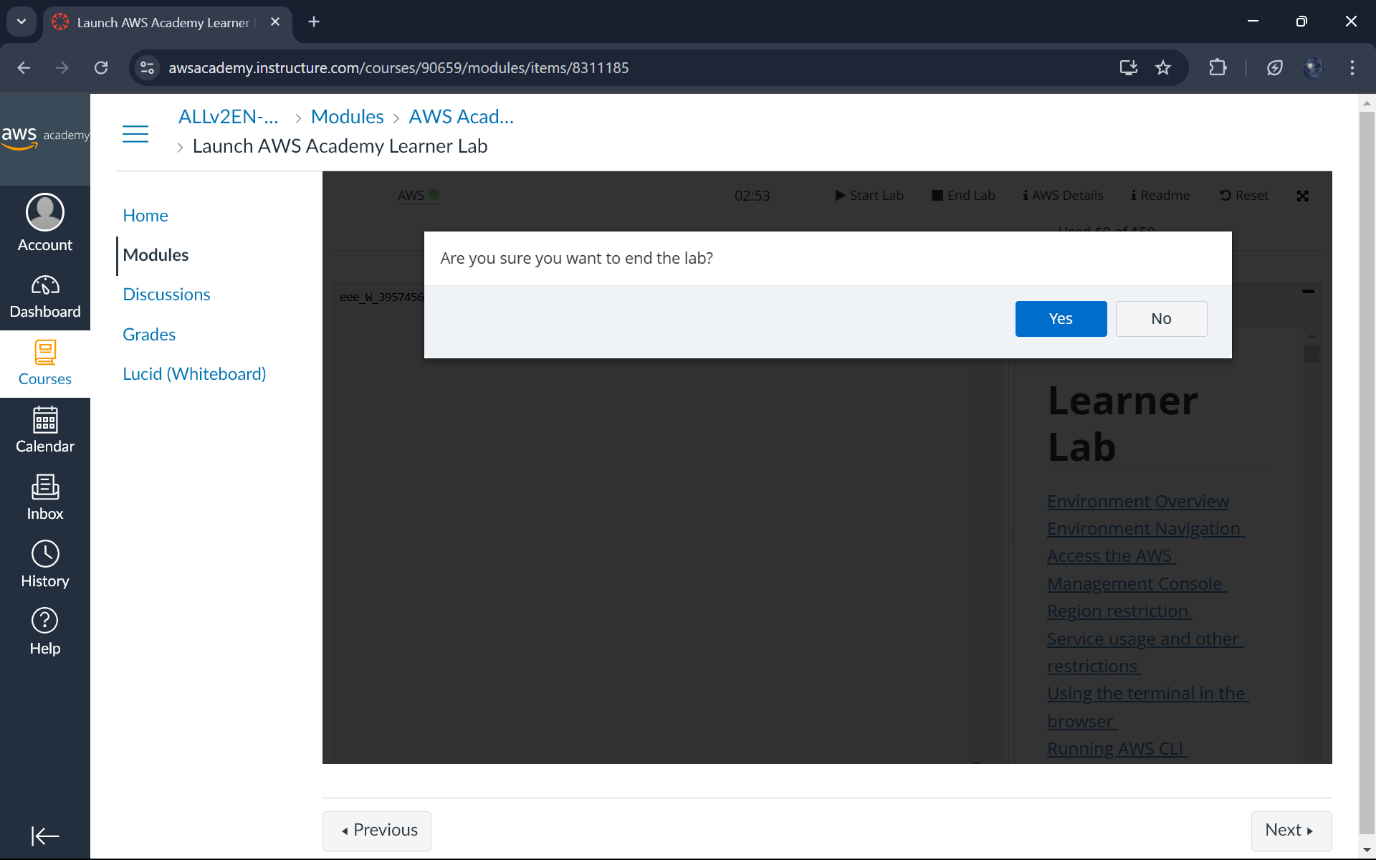
****

**After running docker file stop it by using it’s container ID**

**Terminate the EC2 instance in the AWS console by selecting it.**

**Check if the state is terminated or not under Instance State.**

**Click on End Lab**

**Click on Yes.**