Name: - Julekha Bagwan TE COMP Roll No: - 3243

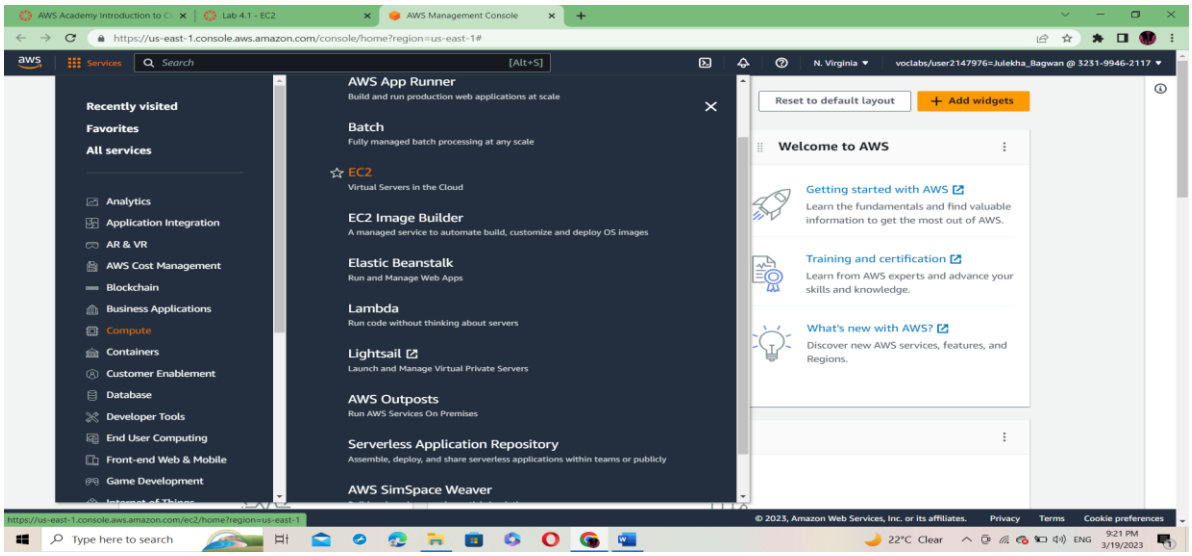
Subject: - LP-II (Cloud Computing)

PRACTICAL ASSIGNMENT NO: - 01

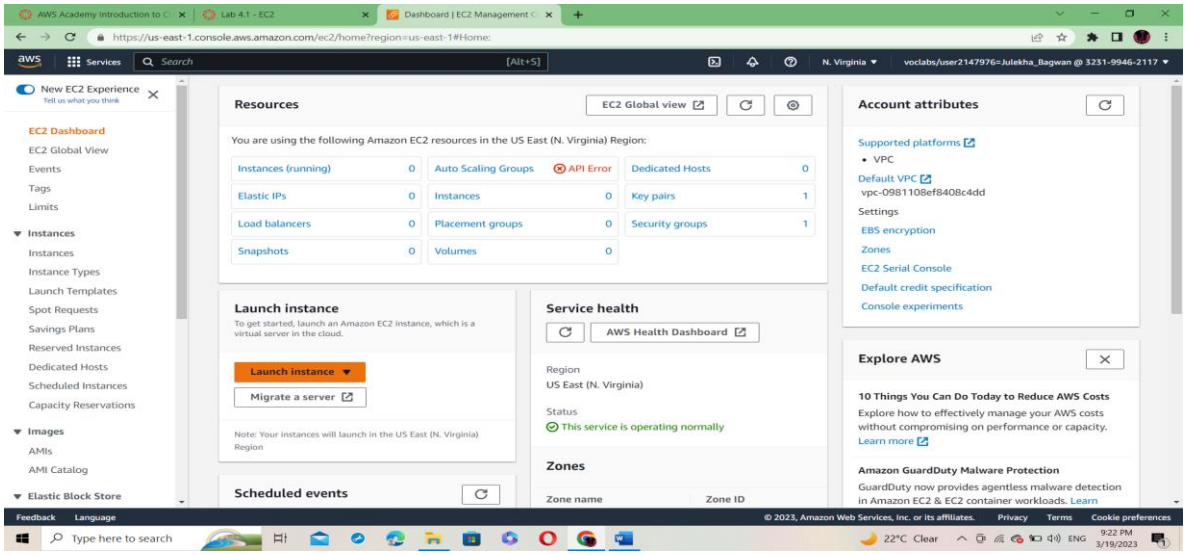
Title: - Case study on Amazon EC2 and learn about Amazon EC2 web services.

Step 1: - Log in to your AWS Account and go to AWS Management Console.

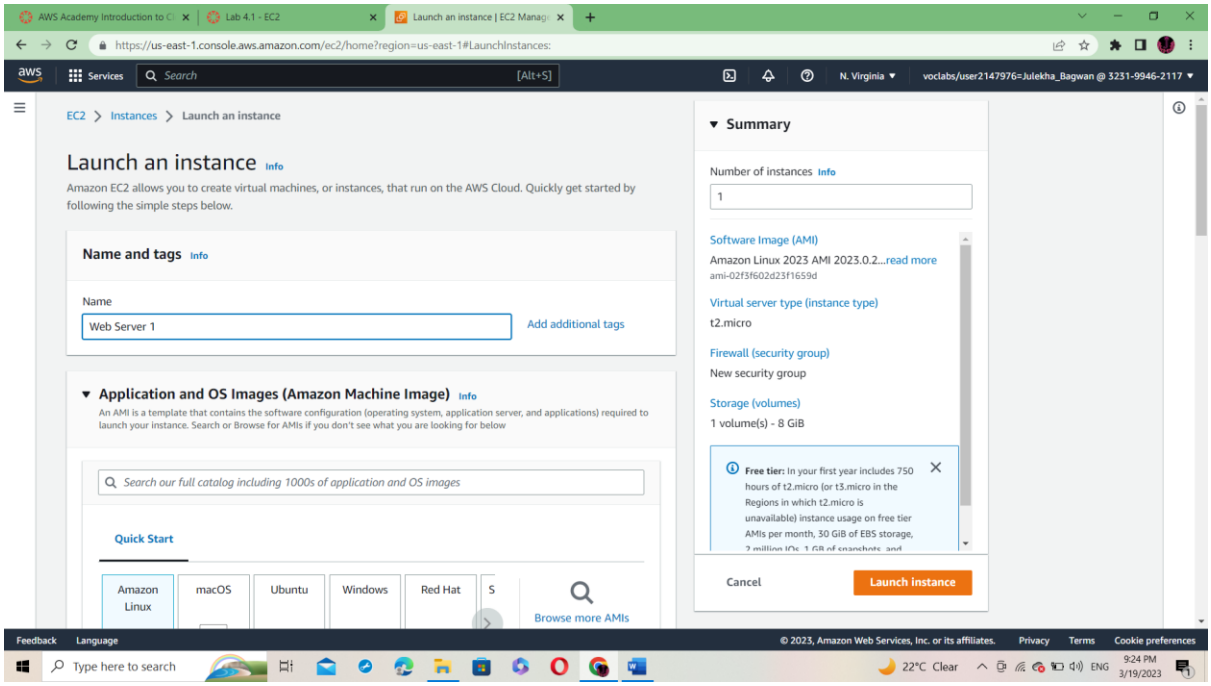
Step 2: - Choose the **Services** menu, locate the **Compute** services, and select **EC2**.



Step 3: - Choose the **Launch instance** button in the middle of the page, and then select **Launch instance** from the dropdown menu.

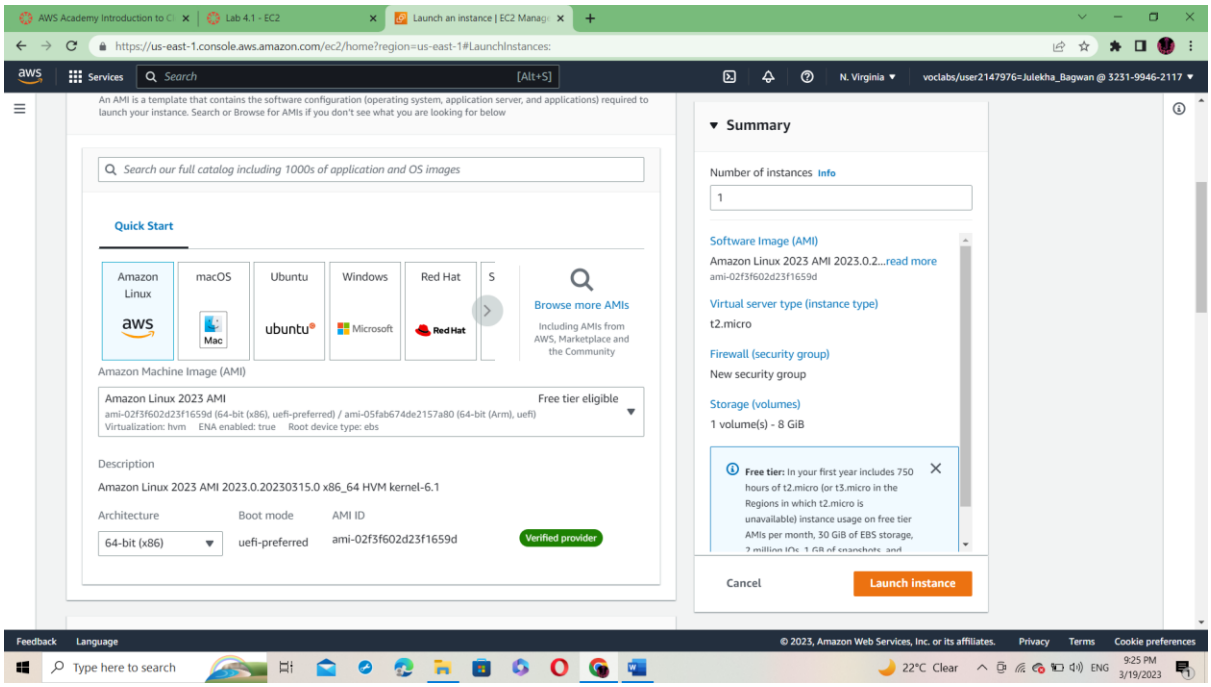


Step 4: - Name the instance: Give it the name Web Server 1

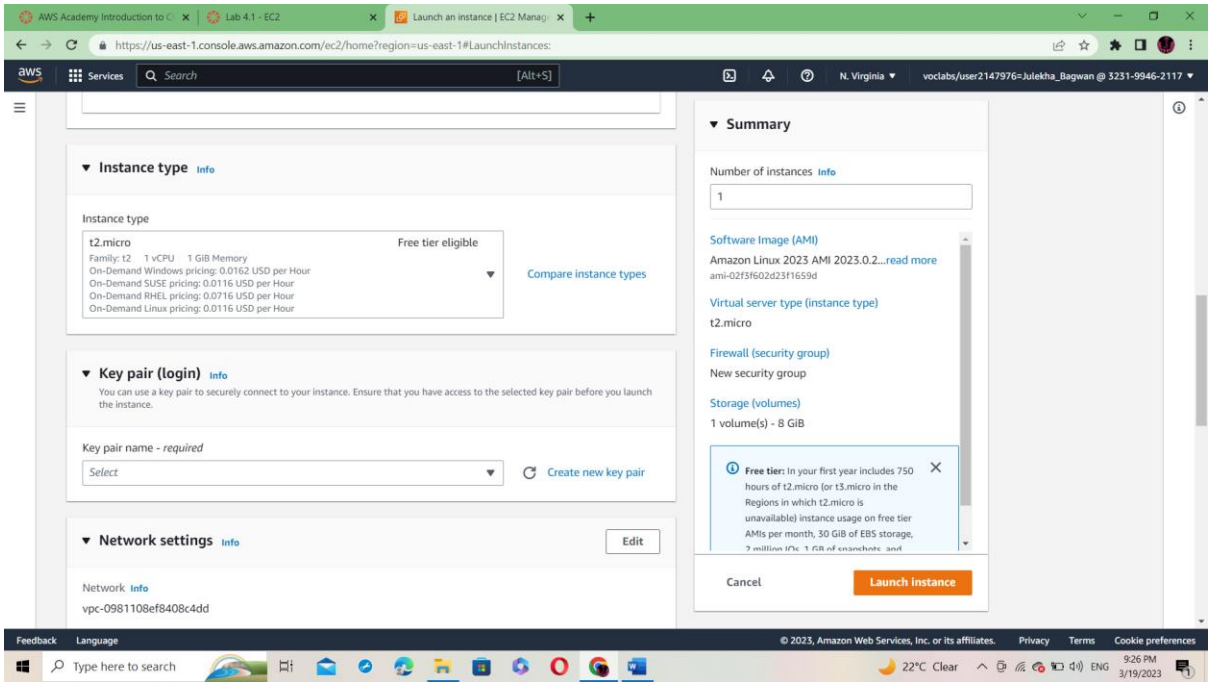


Step 5: - Choose an AMI from which to create the instance:

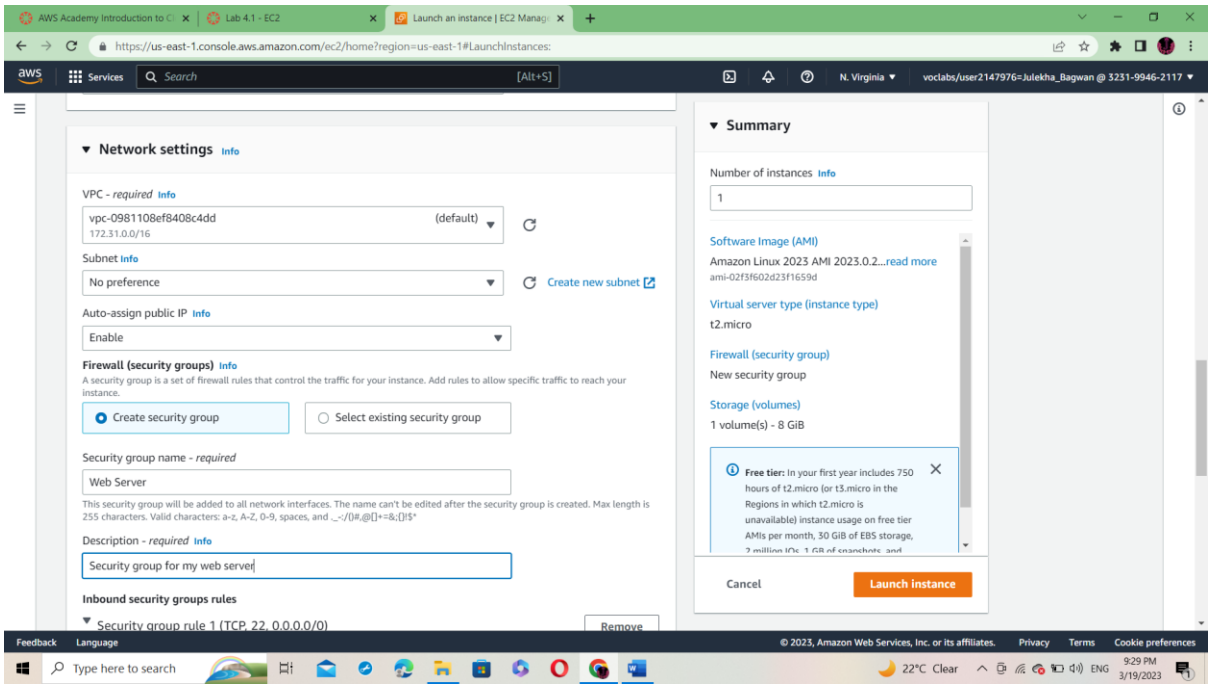
- In the list of available Quick Start AMIs, keep the default **Amazon Linux** AMI selected.
- Also keep the default **Amazon Linux 2 AMI (HVM)** selected.



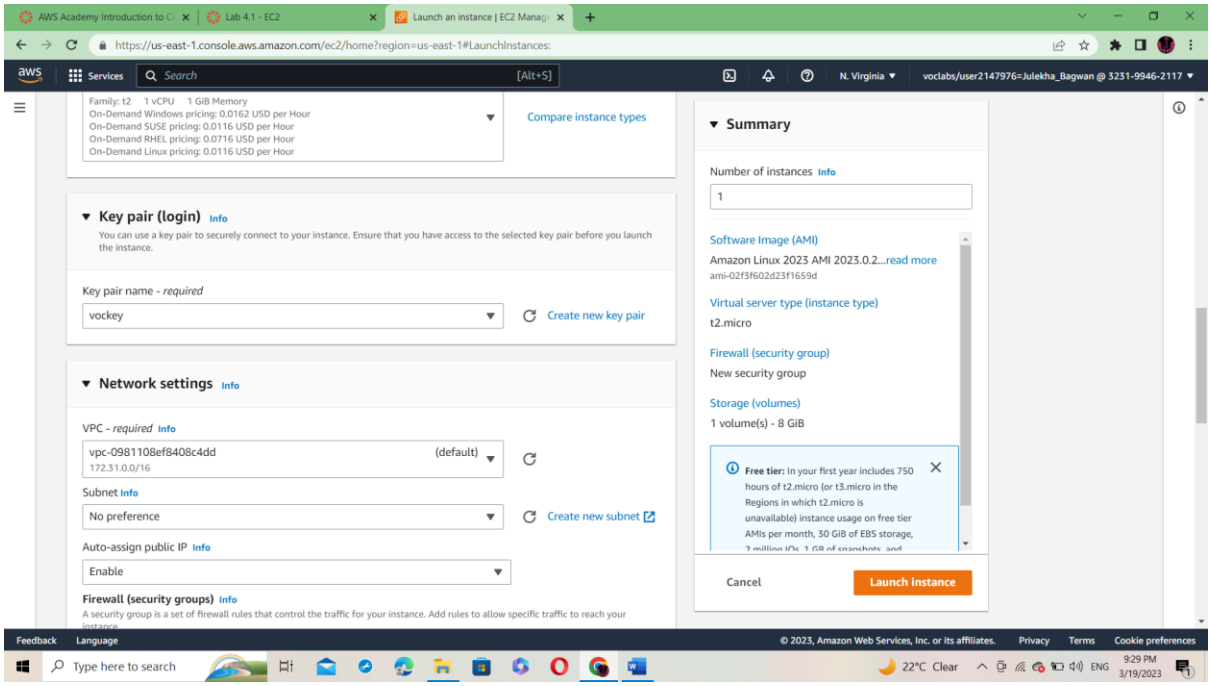
Step 6: - In the Instance type panel, keep the default **t2. micro** selected.



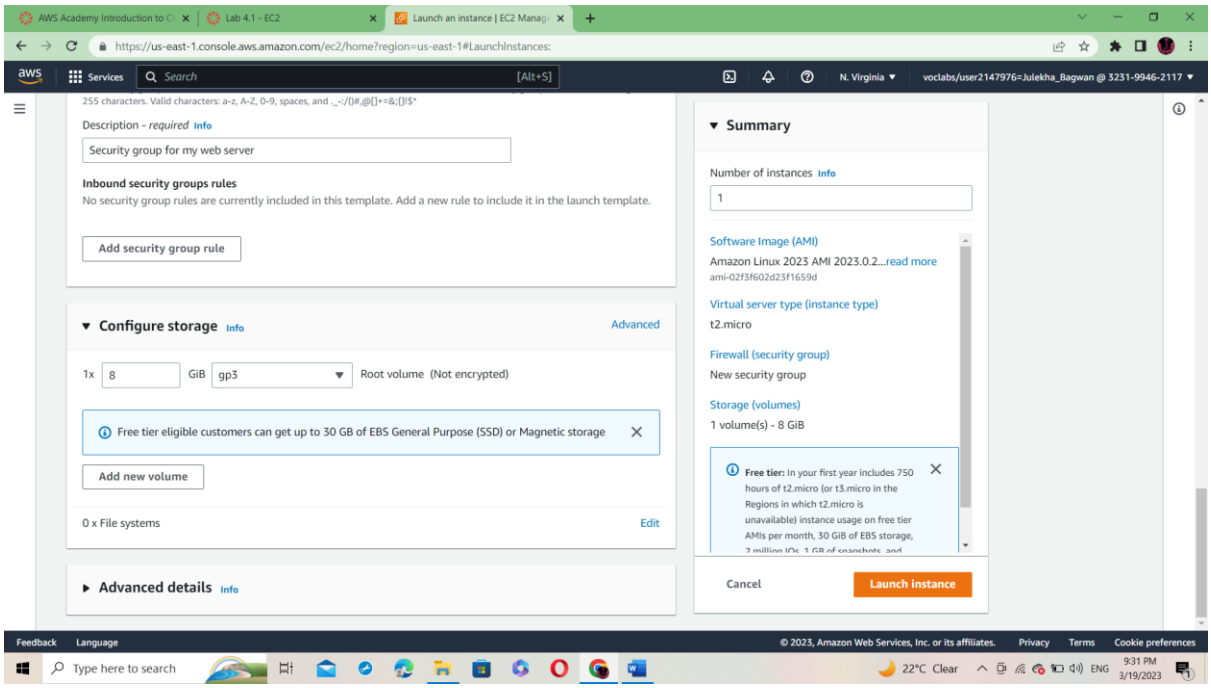
Step 7: - Next to Network settings, choose **Edit**. Keep the default VPC and subnet settings. Also keep the **Auto-assign public IP** setting set to **Enable**.



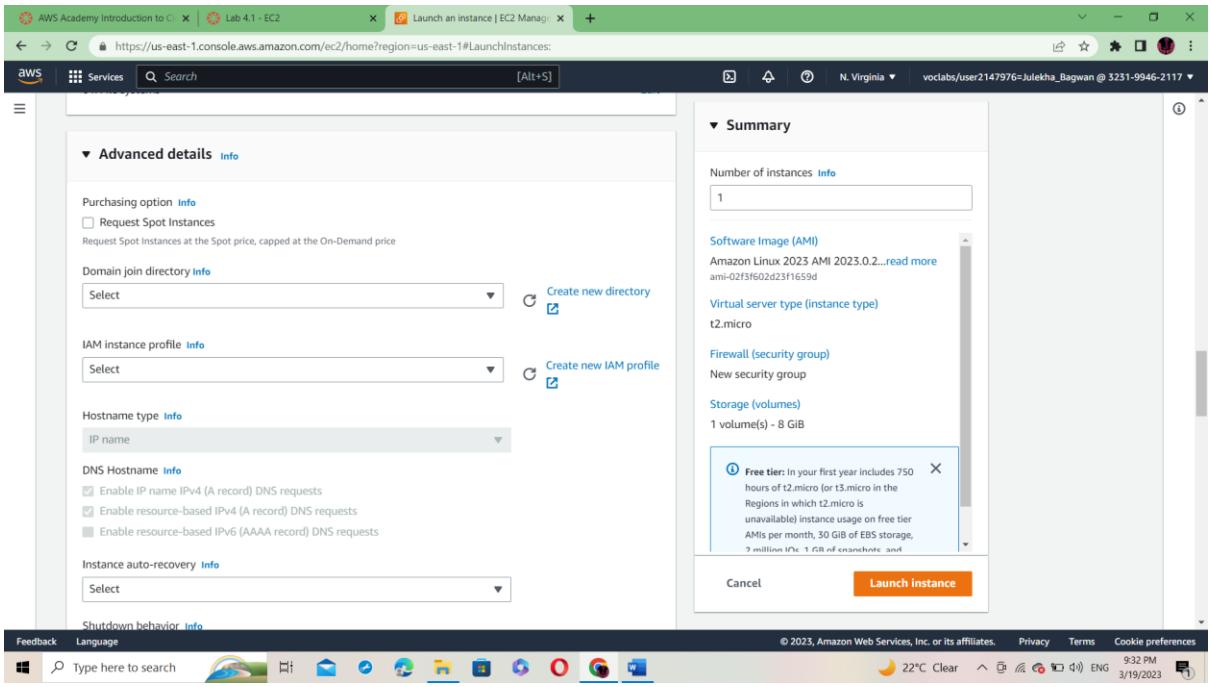
Step 8: - From the **Key pair name** menu, select **vockey**.



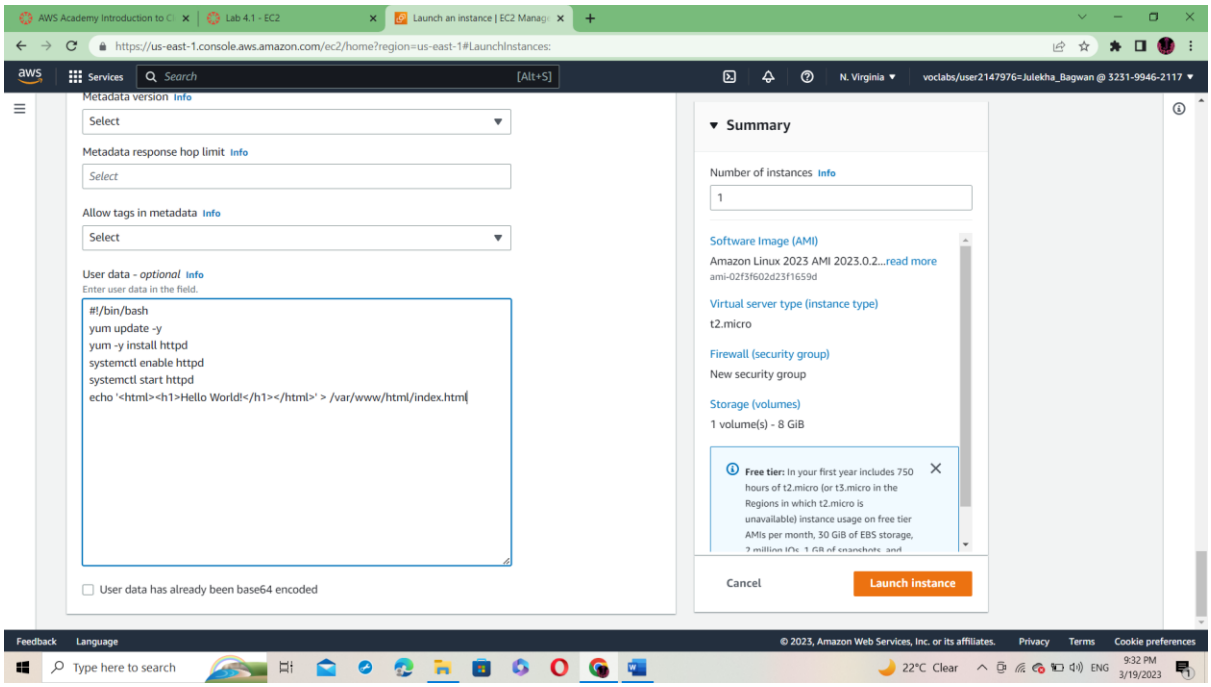
Step 9: - Create **security group** option chosen. **Security group name:** Clear the text and enter Web Server. **Description:** Clear the text and enter Security group for my web server



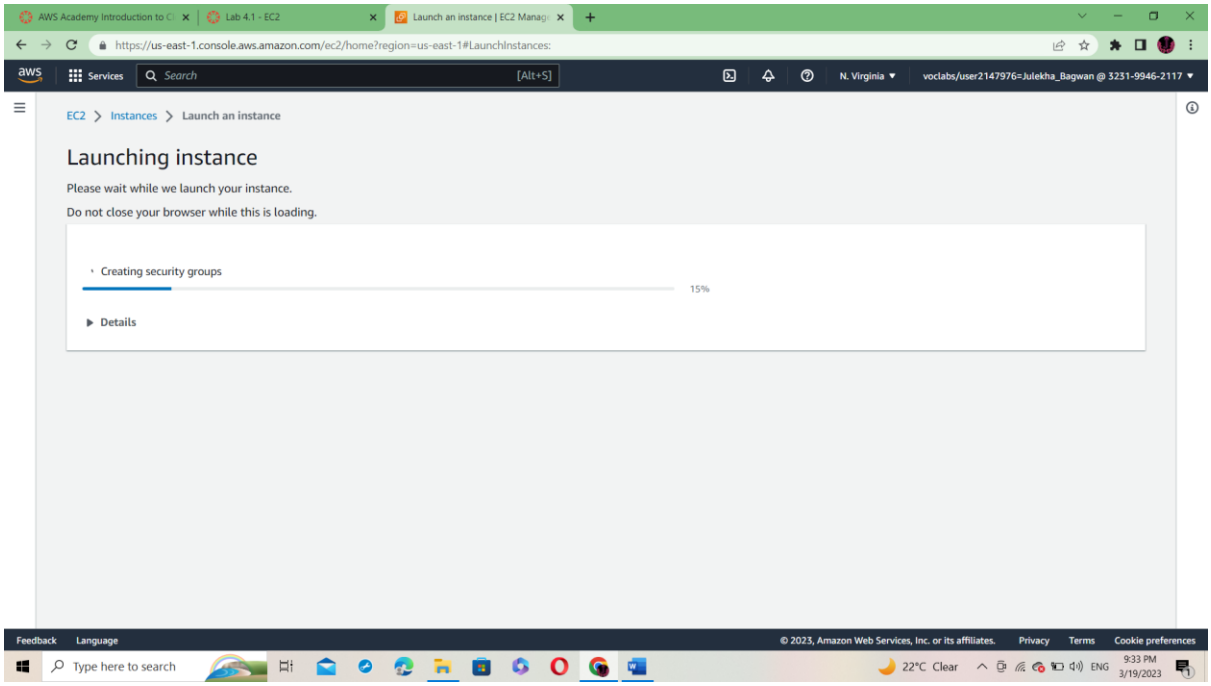
Step 10: - Expand the **Advanced details** panel. Scroll to the bottom of the page

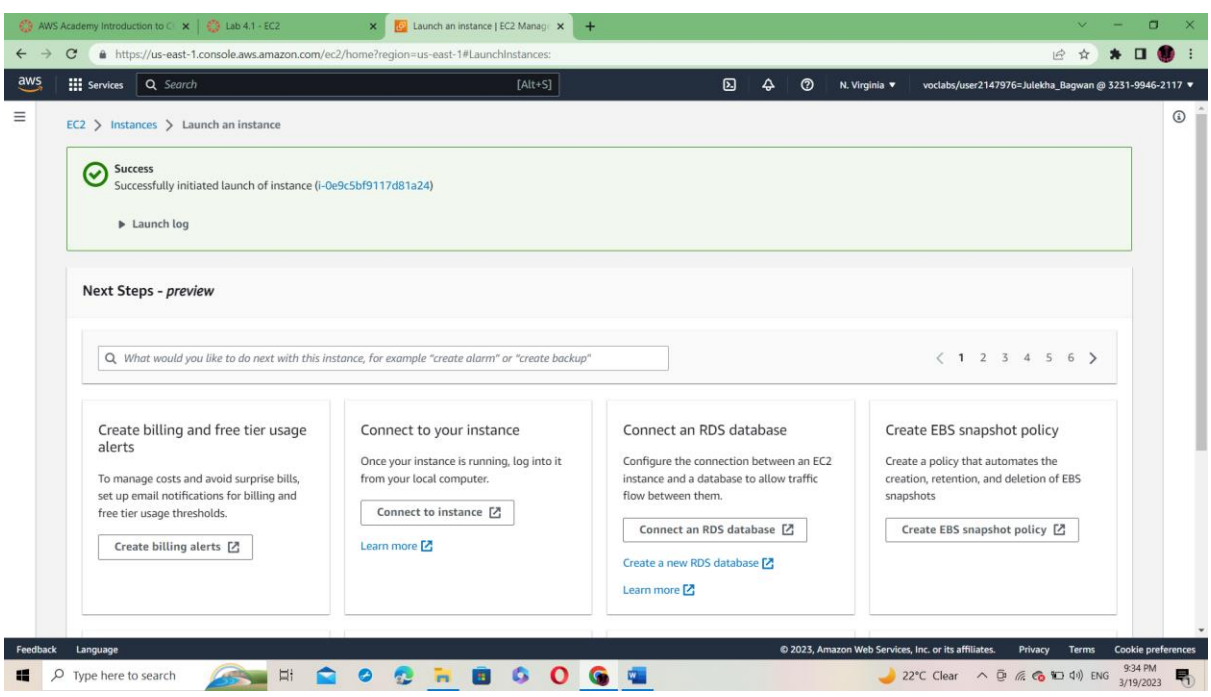


Step 11: - Write a script code. At the bottom of the **Summary** panel on the right side of the screen choose **Launch Instance**

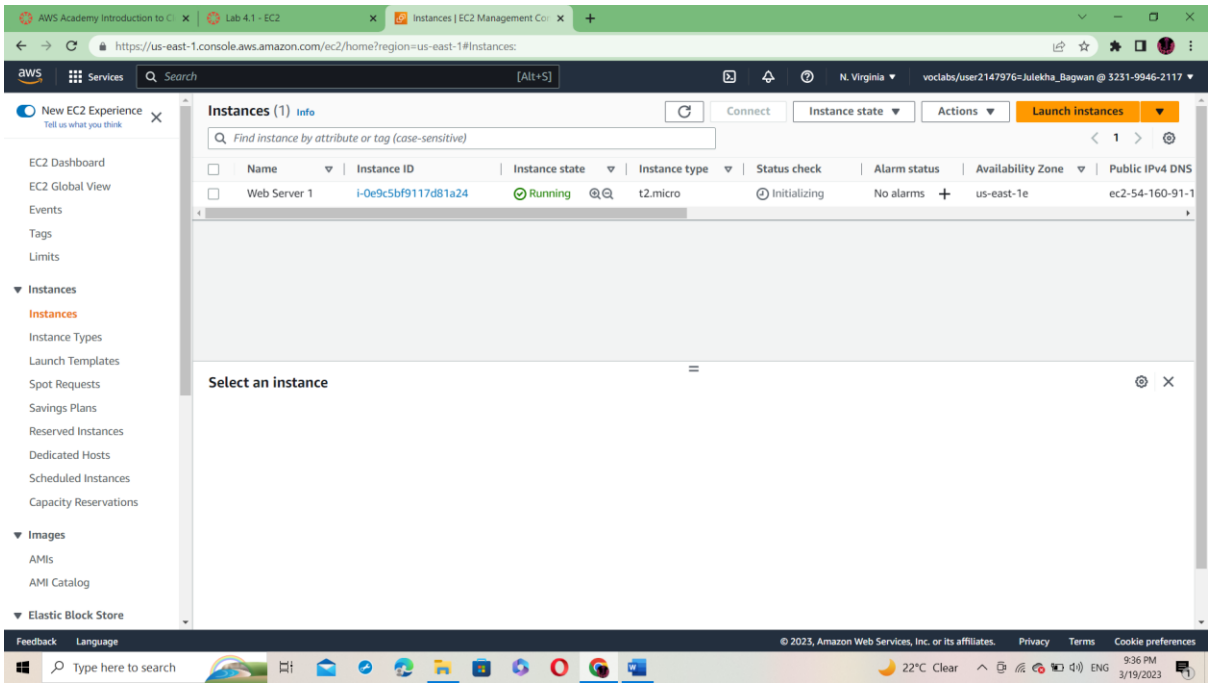


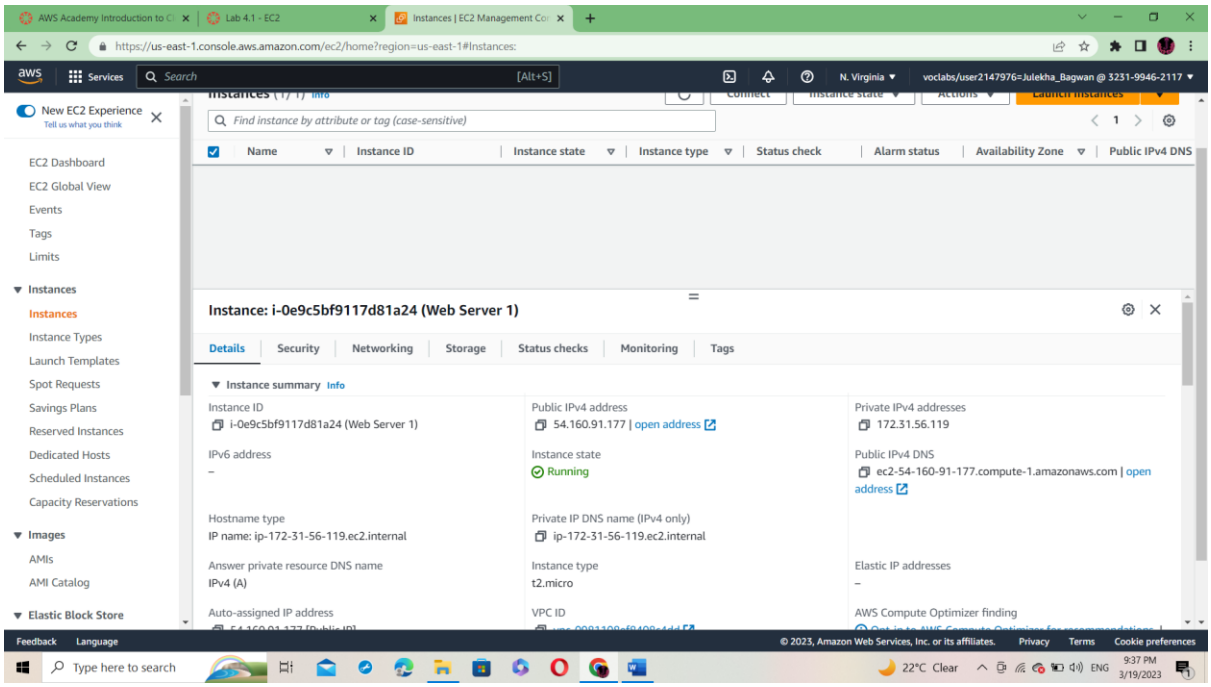
Step 12: - Wait till the Instance successfully launches.

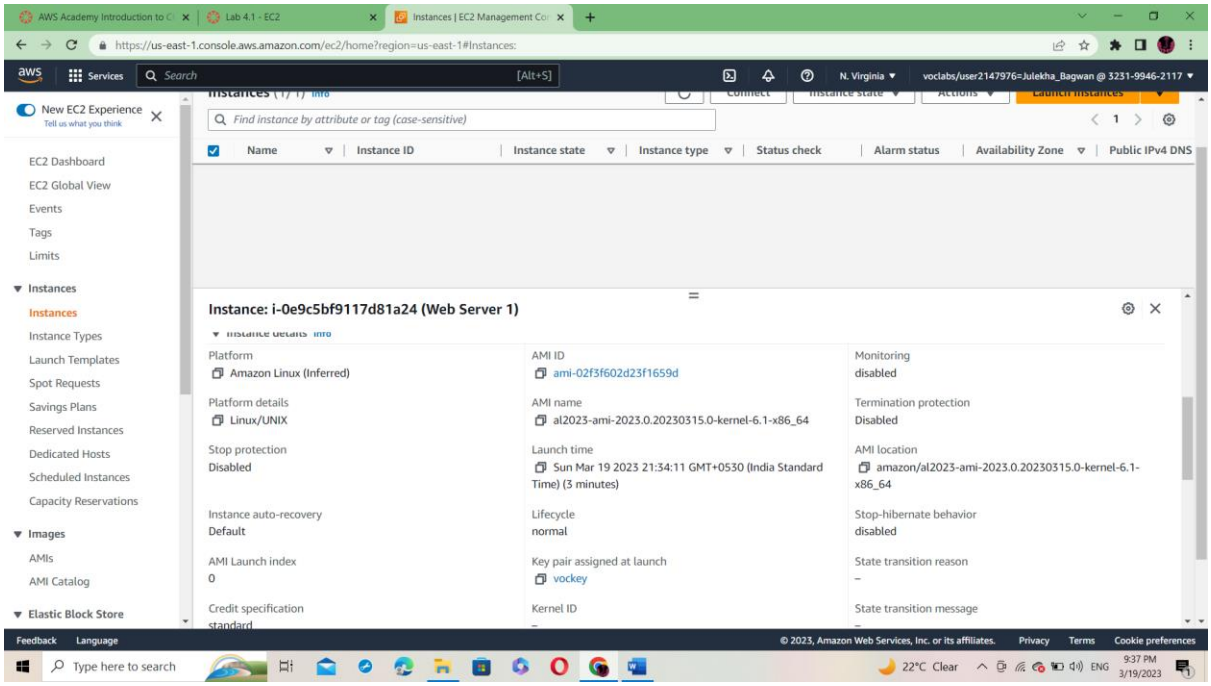




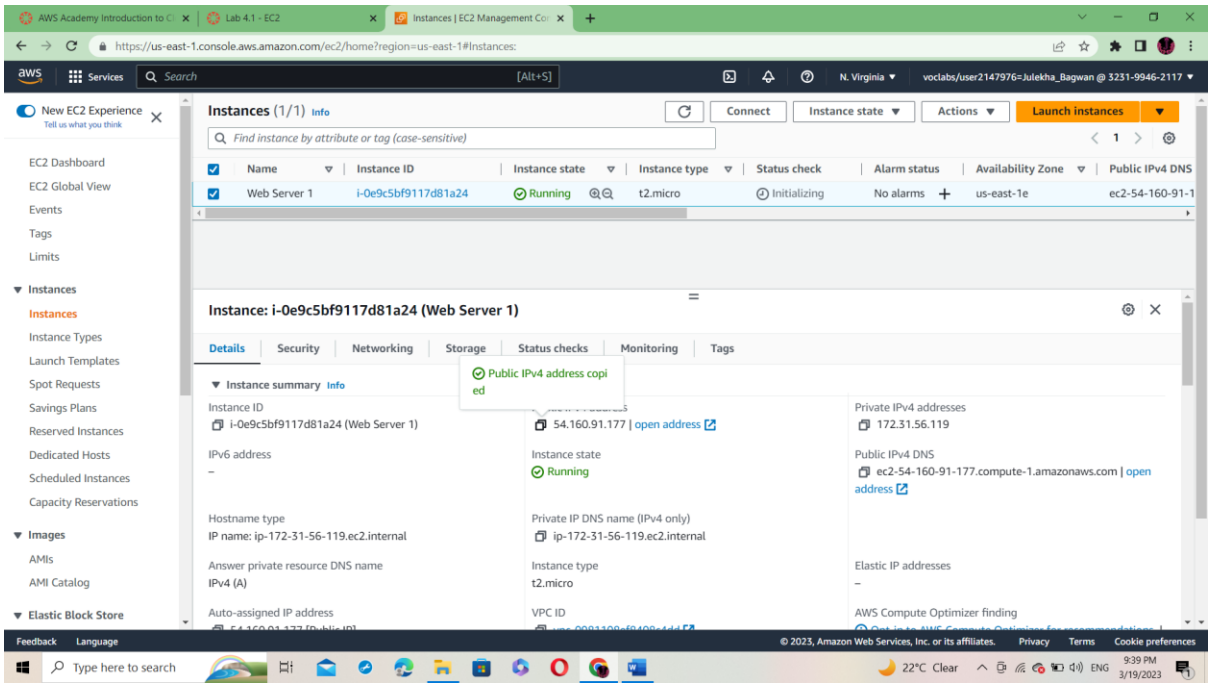
Step 13: - Select the **Web Server 1** instance, and review the information in the **Details** tab that displays in the lower pane.



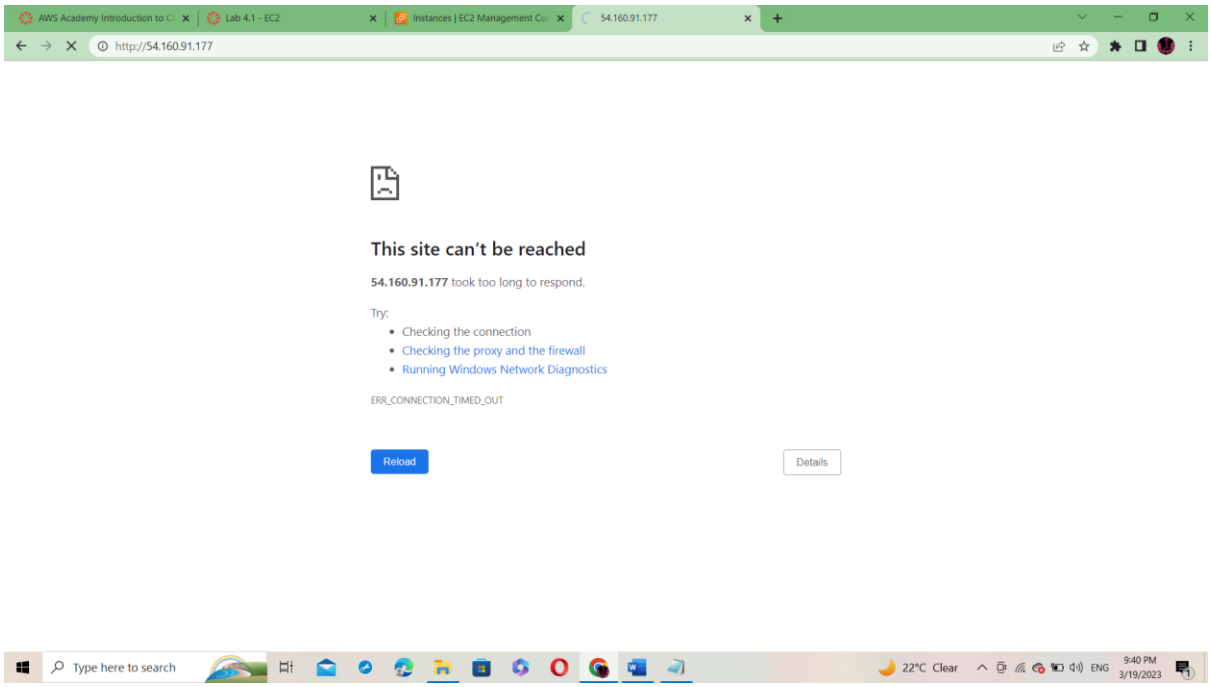




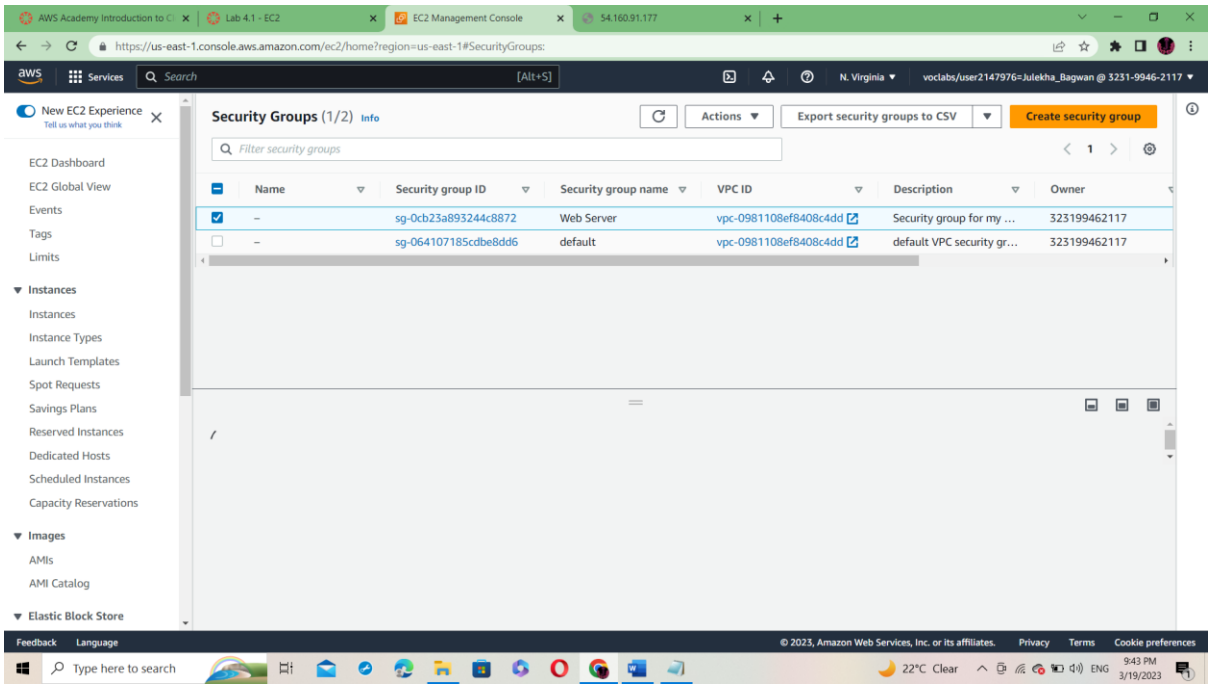
Step 14: - From the **Details** tab, copy the **Public IPv4 address** value of your instance to your clipboard.



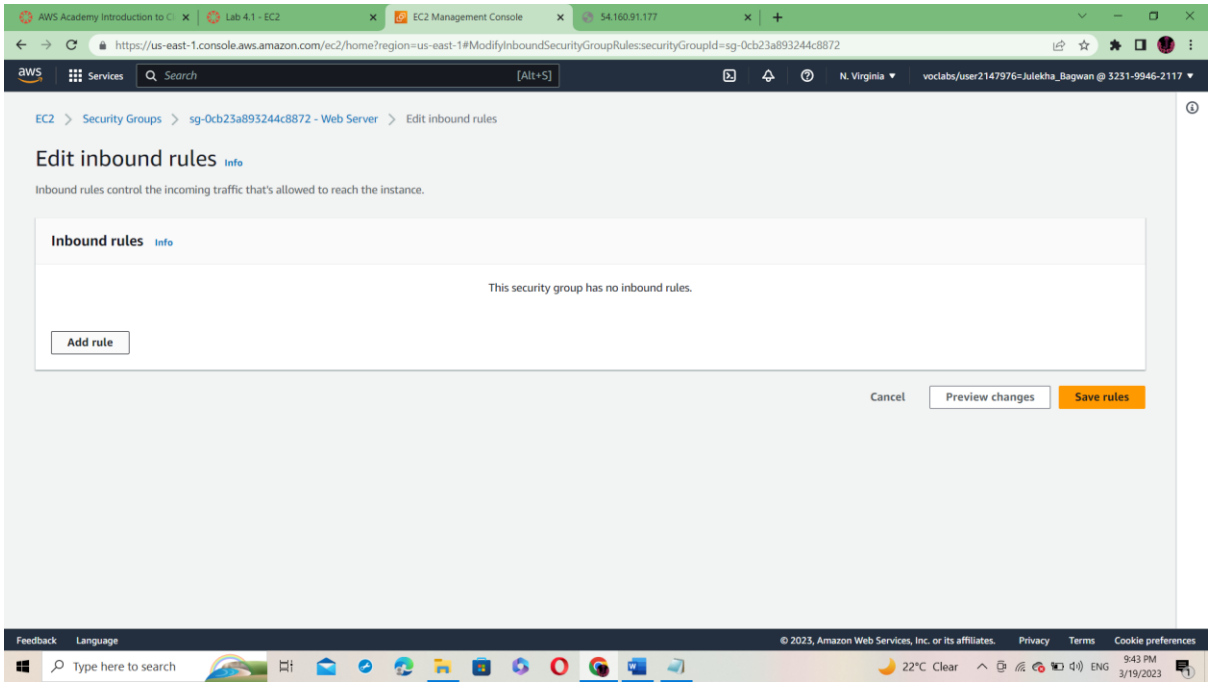
Step 15: - Open a new tab in your web browser, paste the public IP address you just copied, and press **Enter**. The web page does not load.

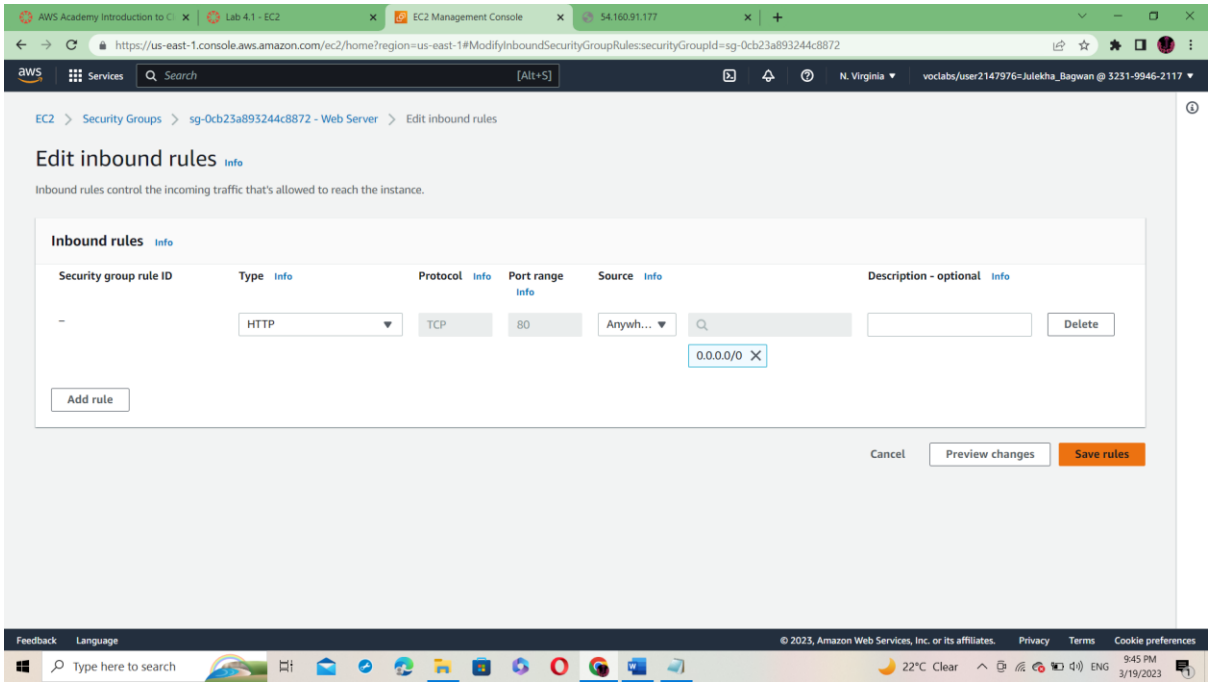


Step 16: - Return to the **EC2 Management Console** browser tab. In the left navigation pane, under **Network & Security**, choose **Security Groups**. Select the **Web Server** security group, which you created when launching your EC2 instance.

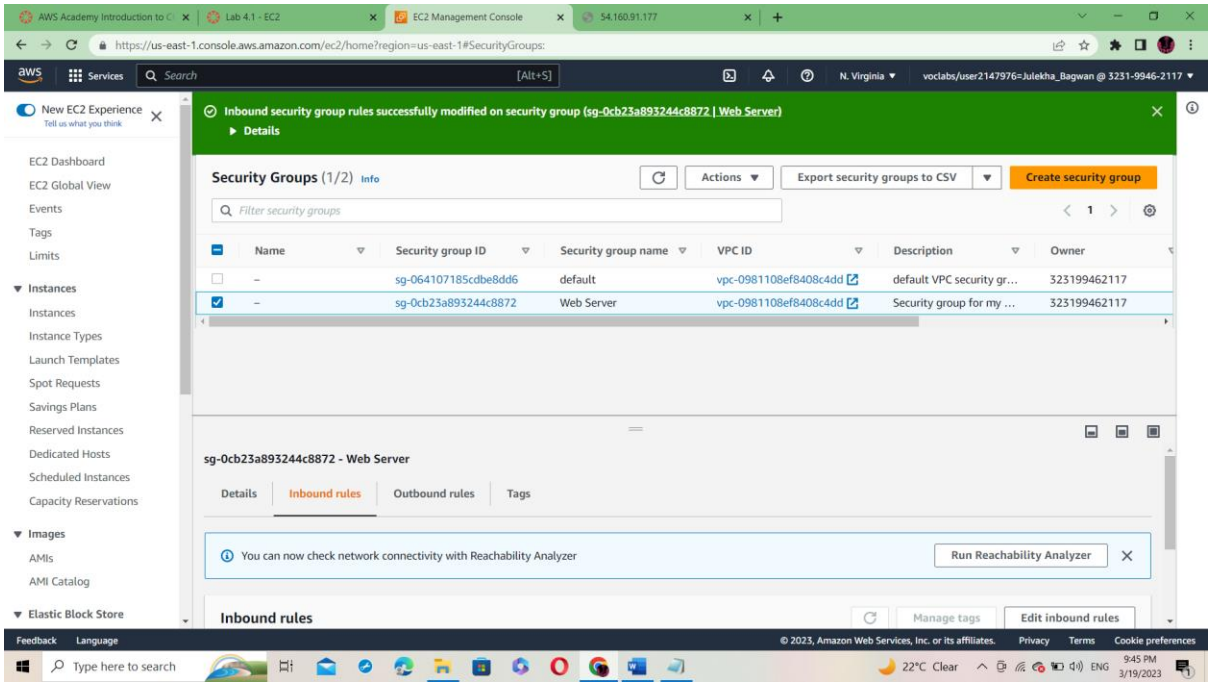


Step 17: - In the lower pane, choose the **Inbound rules** tab. Choose **Edit inbound rules**, and then choose **Add rule**.

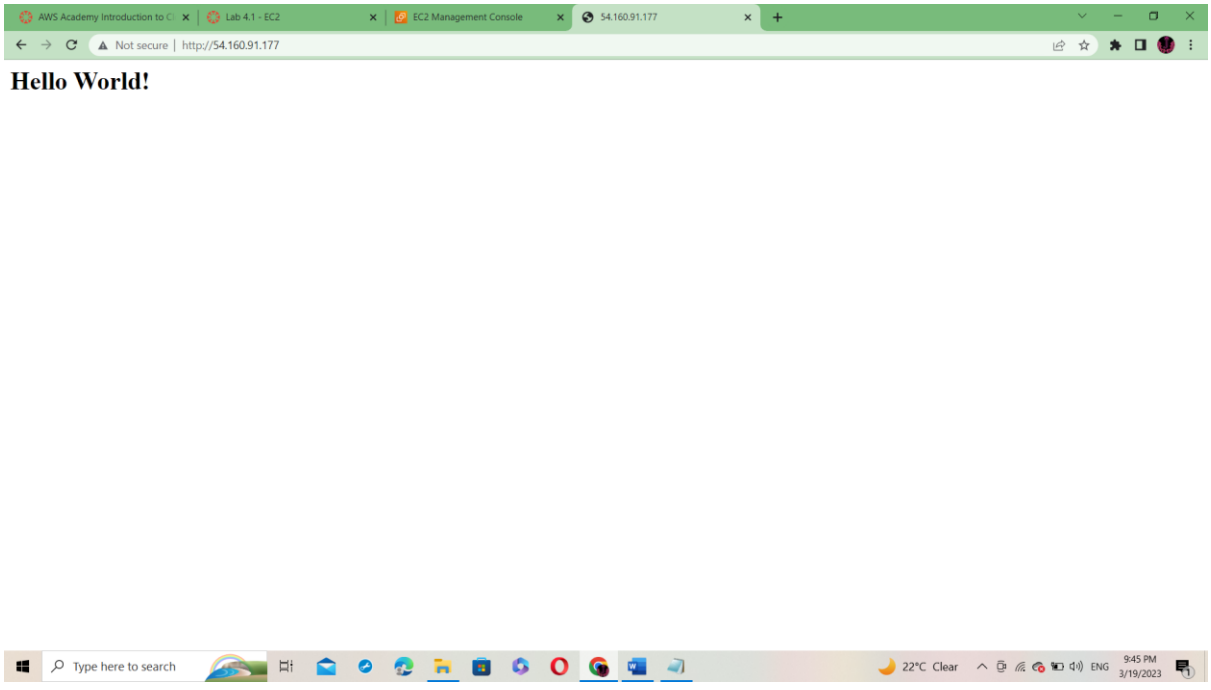




Step 18: - After editing the rules choose **Save Rules.**



Step 19: - Return to the tab that you used to try to connect to the web server. Refresh the page. The page should display the message **Hello World!**



Step 20: - Thus we have successfully created an Amazon Elastic Compute Cloud (Amazon EC2) instance that hosts a simple website.