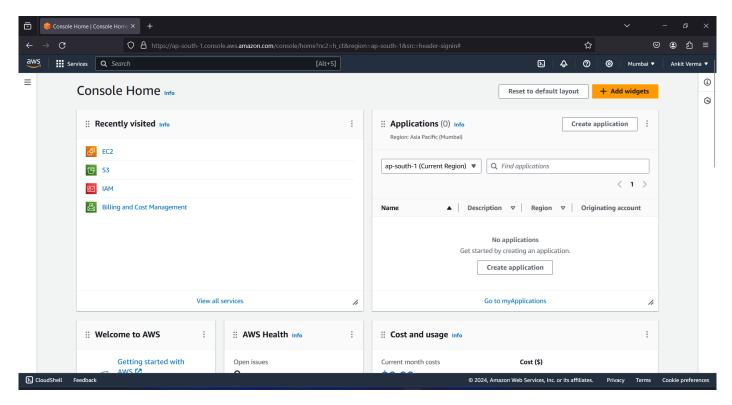
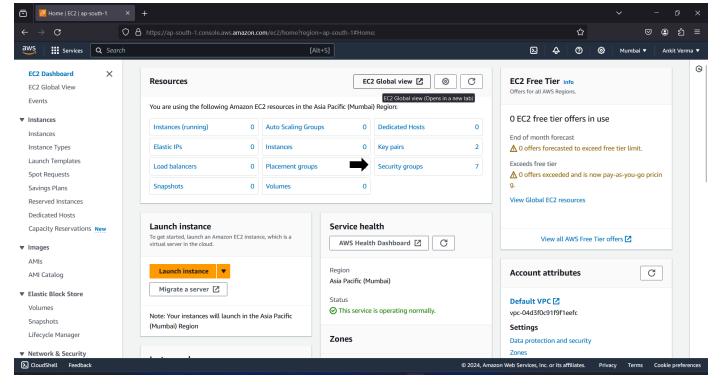
Assignment: 10

Problem Statement: Deploy a project from GitHub to EC2 by creating a new security group and user data.

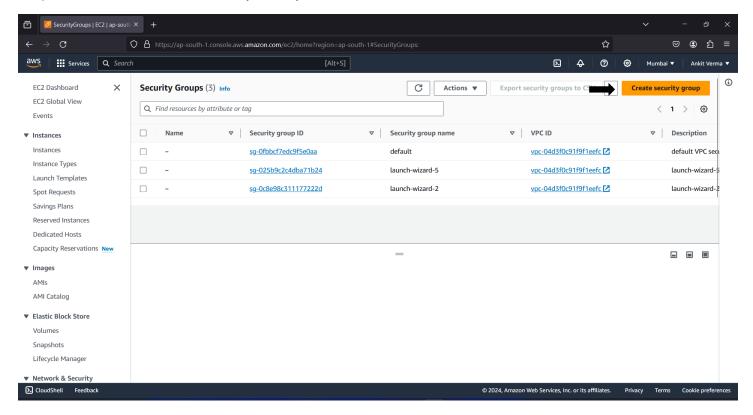
>>> The steps to Deploy the Project from GitHub to EC2 by creating a new Security Group:-Step 1: Select EC2.



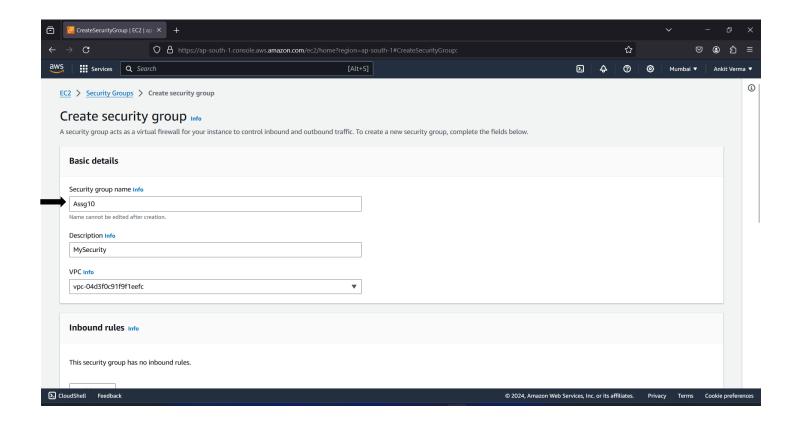
Step 2: Go to the Security Groups option.



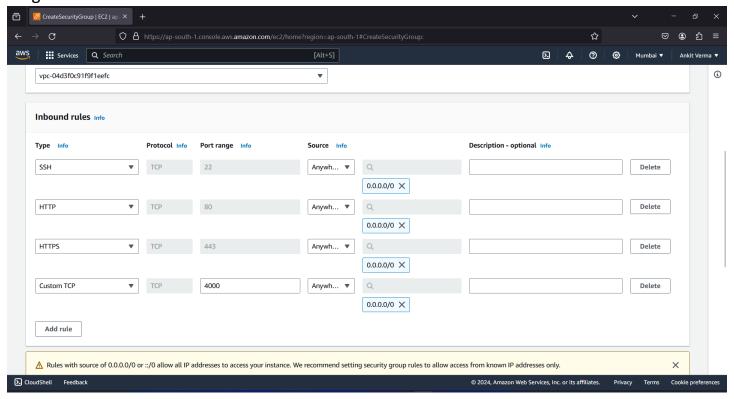
Step 3: Click on Create Security Group.



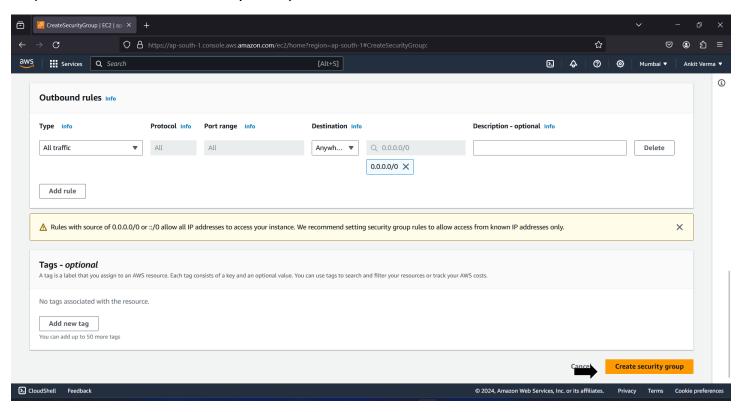
Step 4: Give a name and Description to the Security Group. Then click on Add Rule under the Inbound Rules tab.



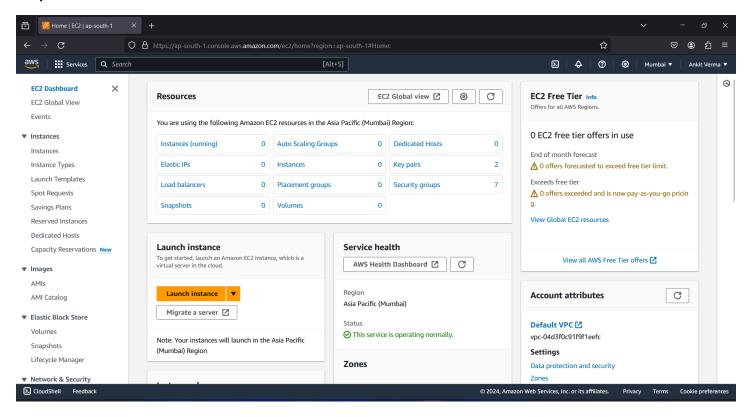
Step 5: Add the following 4 rules. Give all the rules the source address of 0.0.0.0/0 & and Port range of 4000 to Custom TCP.



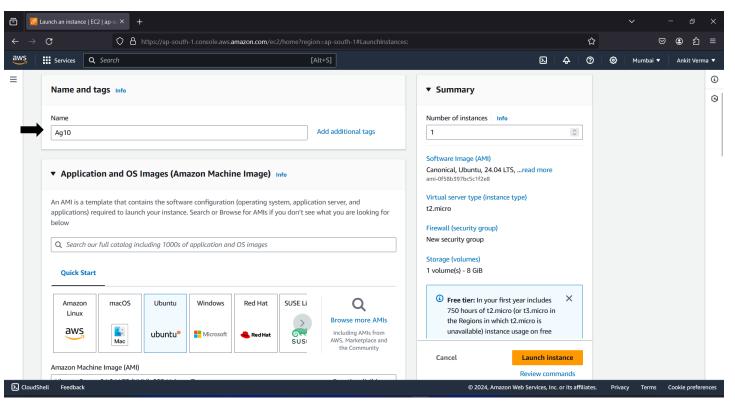
Step 6: Click on Create Security Group



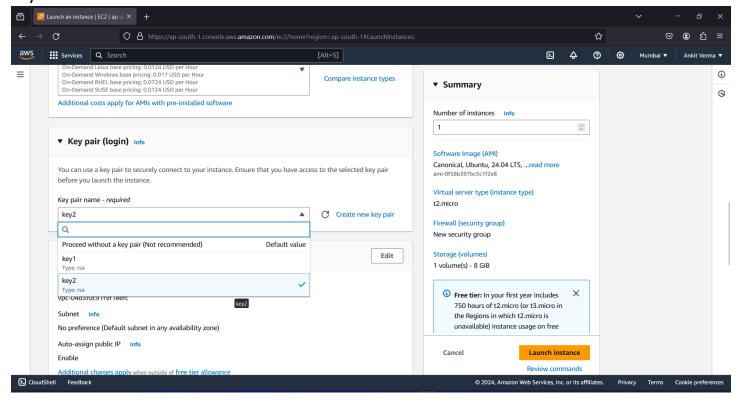
Step 7: Now click on "Launch Instance".



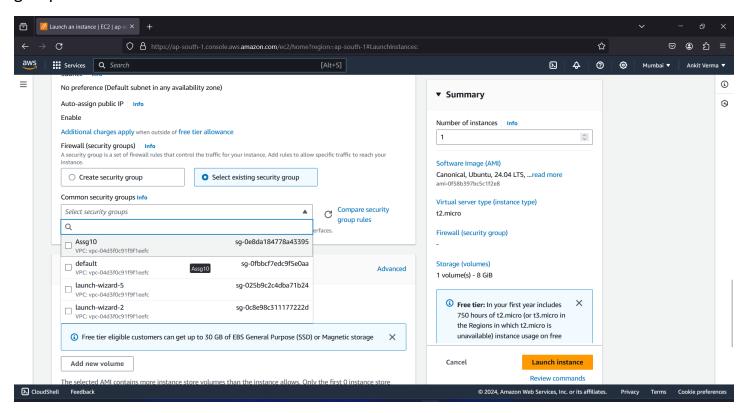
Step 8: Give a unique name to the instance and select Ubuntu.



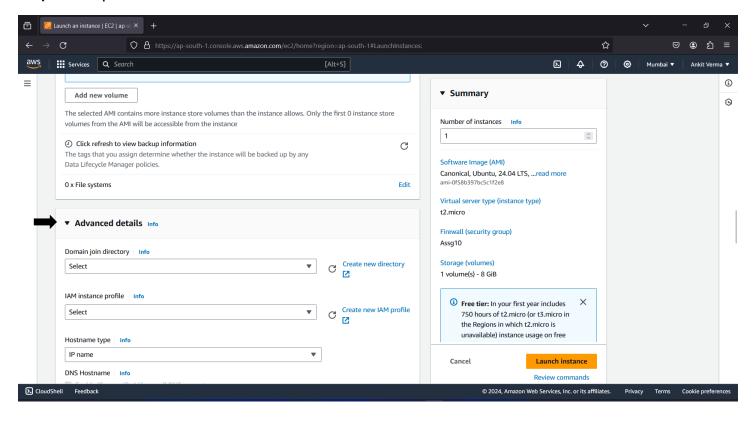
Step 9: Under key pair (login) select an existing key from the drop-down menu or create a new key.



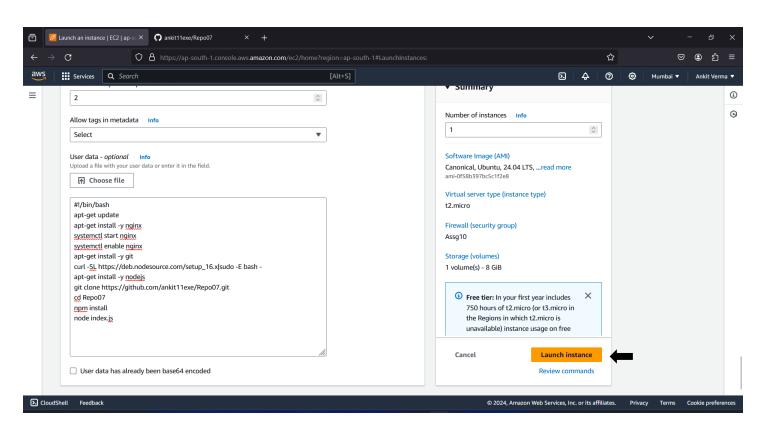
Step 10: Select the Select Existing Security Group, then select the newly created security group.



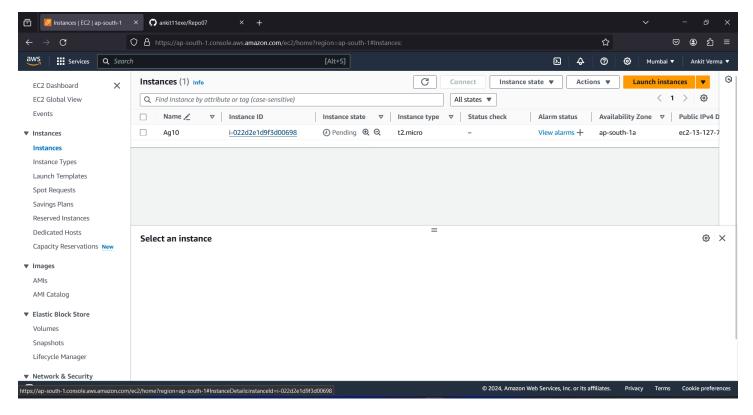
Step 11: Expand the Advanced Details tab.



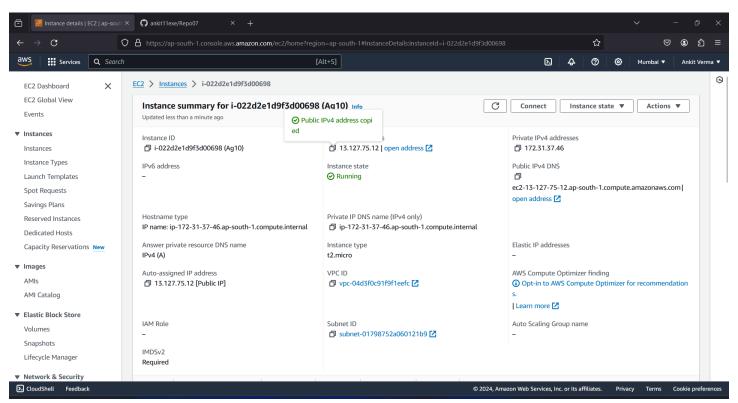
Step 12: Scroll down to the bottom, in the bash console type the following commands. Then click on "Launch Instance".



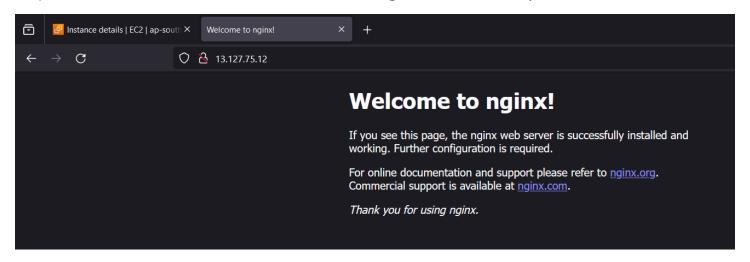
Step 13: Click on instance id to enter into the instance.



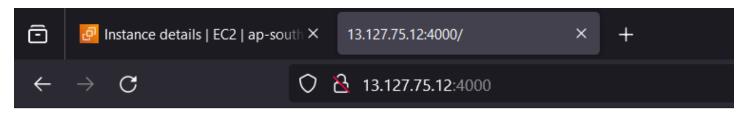
Step 14: Copy the Public IPv4 Address.



Step 15: Paste the IP-Address in a new Window. Nginx window will open.



Step 16: The Nodejs file content will be visible. Now add ":4000" at the end of the IPv4 Address



Hello World