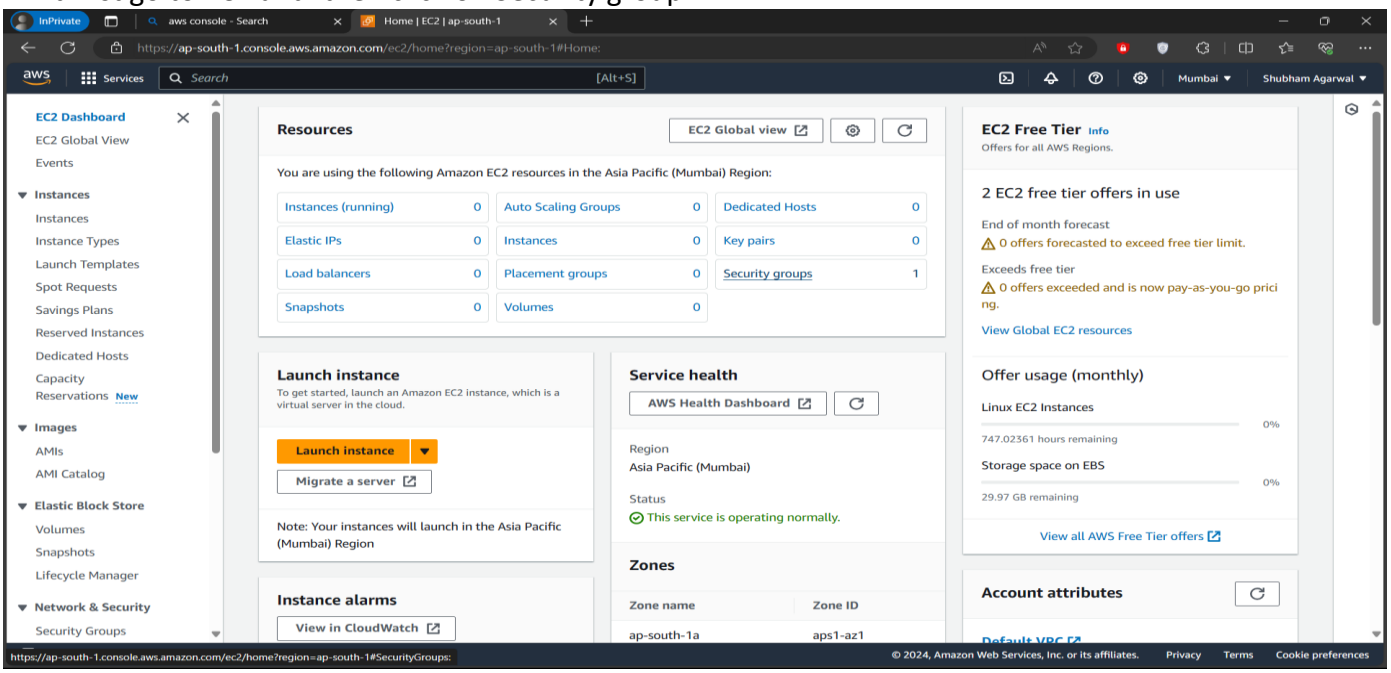
Assignment No : 12

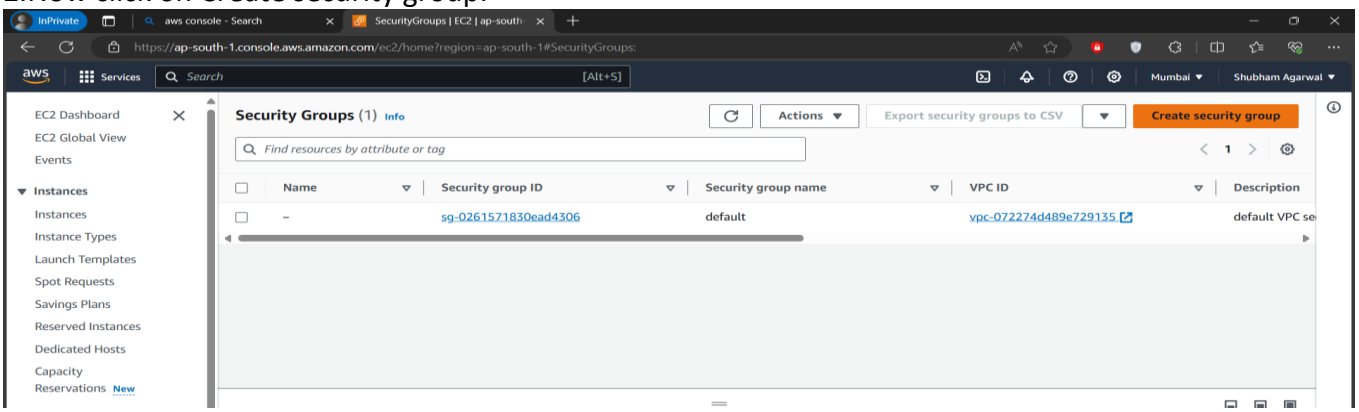
Problem Statement : Deploy and run the project in AWS without using port.

Steps:

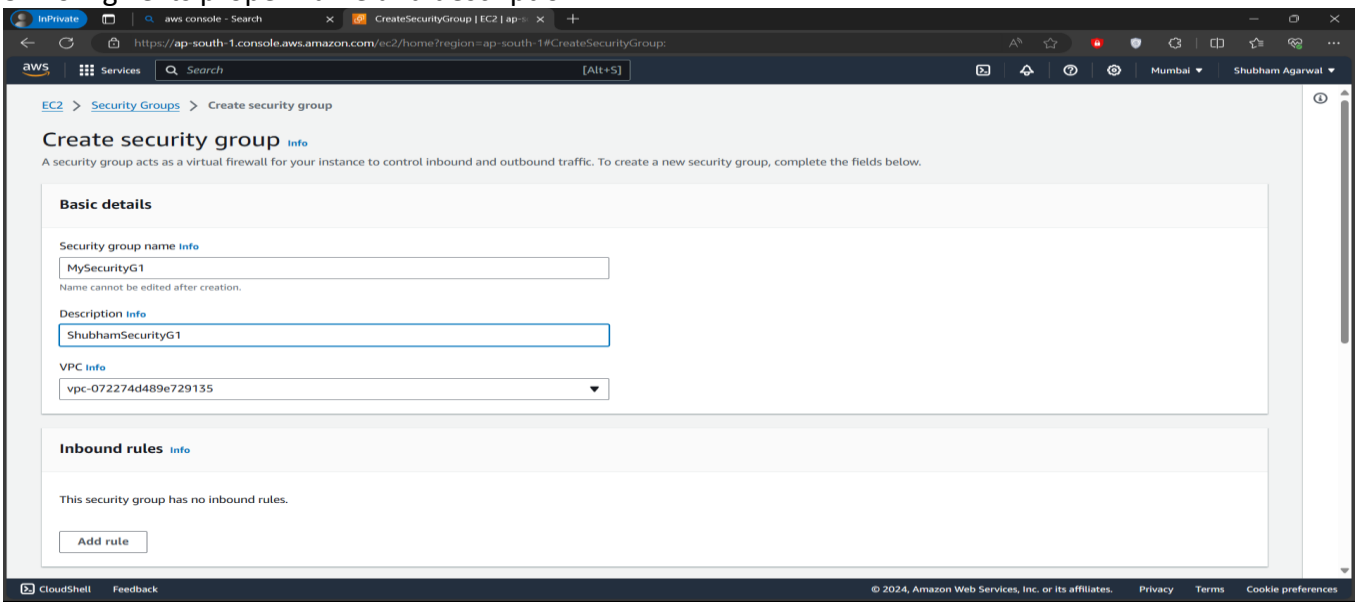
1. At first go to EC2 and then click on Security group.



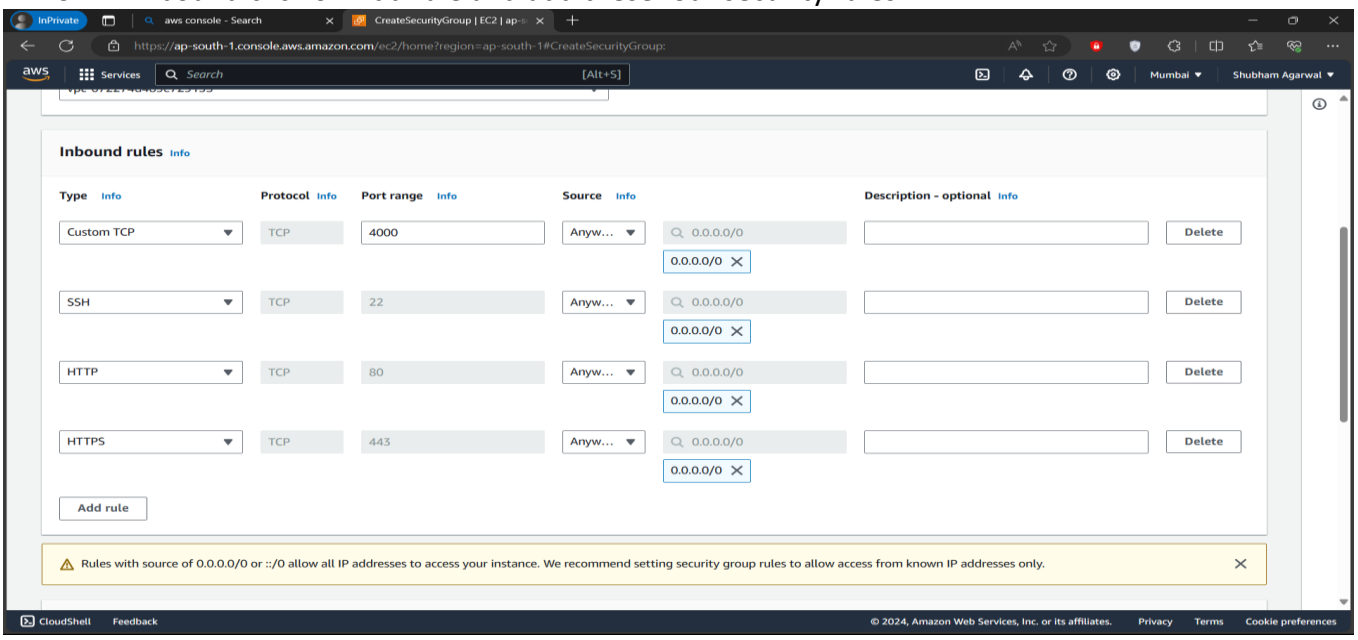
2.Now click on Create security group.



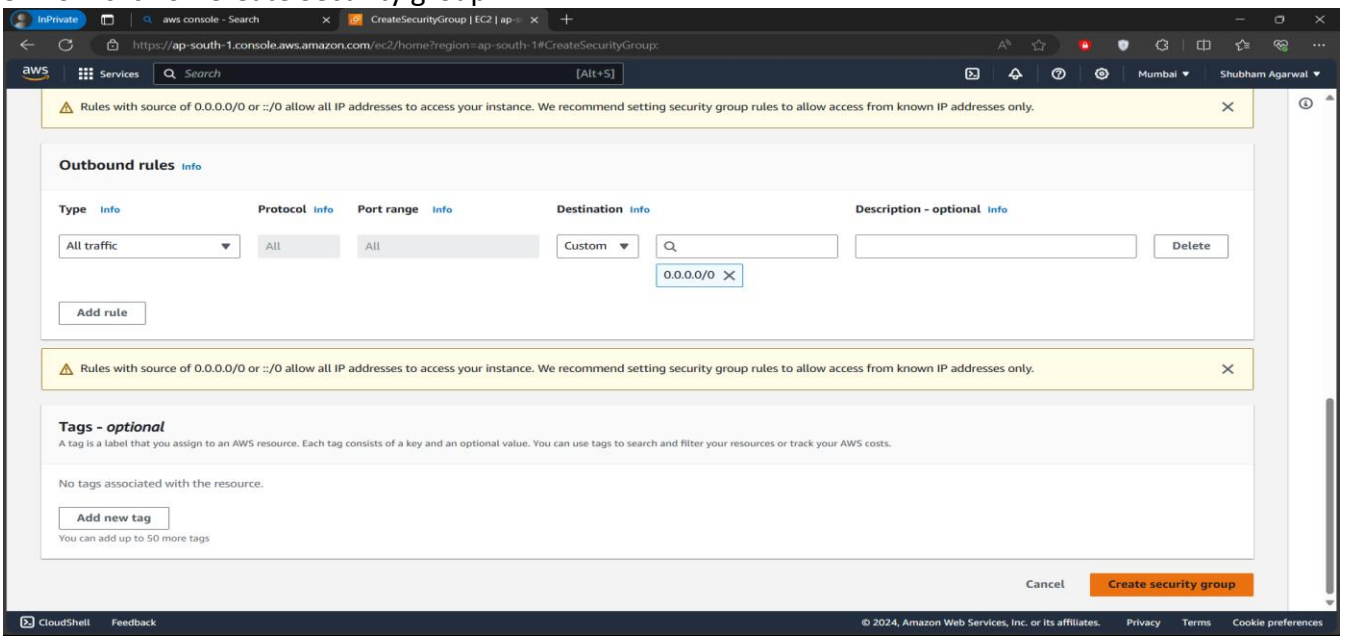
3. Now give its proper name and description.



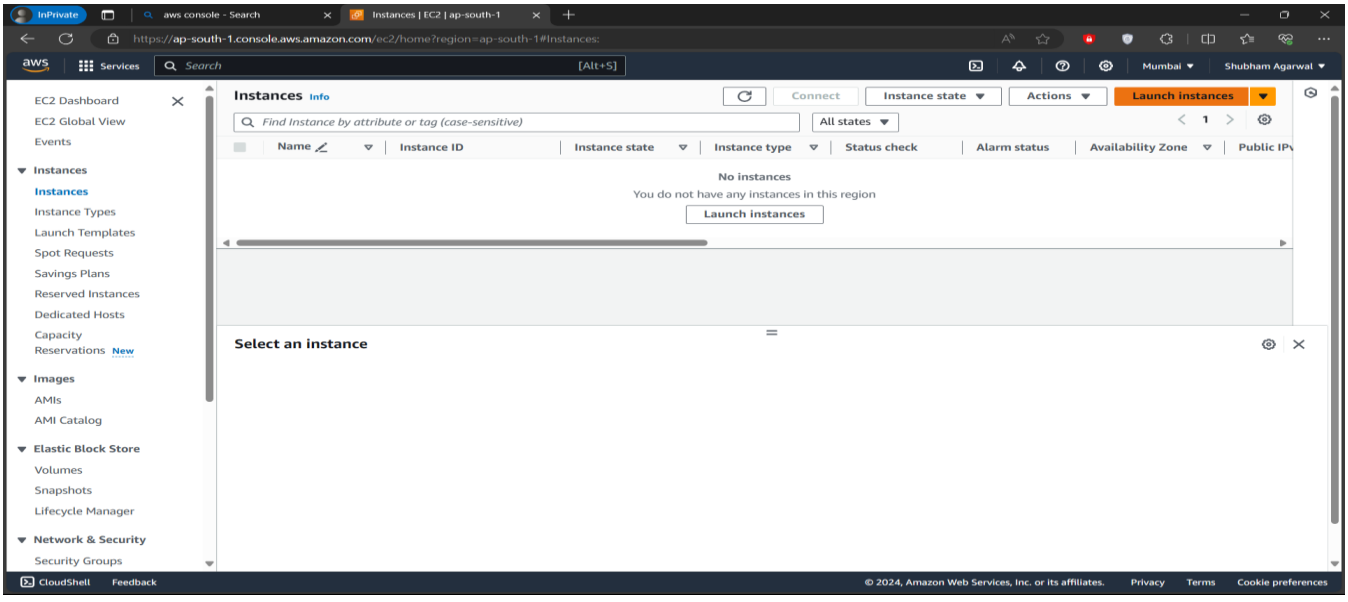
4. Now in inbound click on Add rule and add these four security rules.



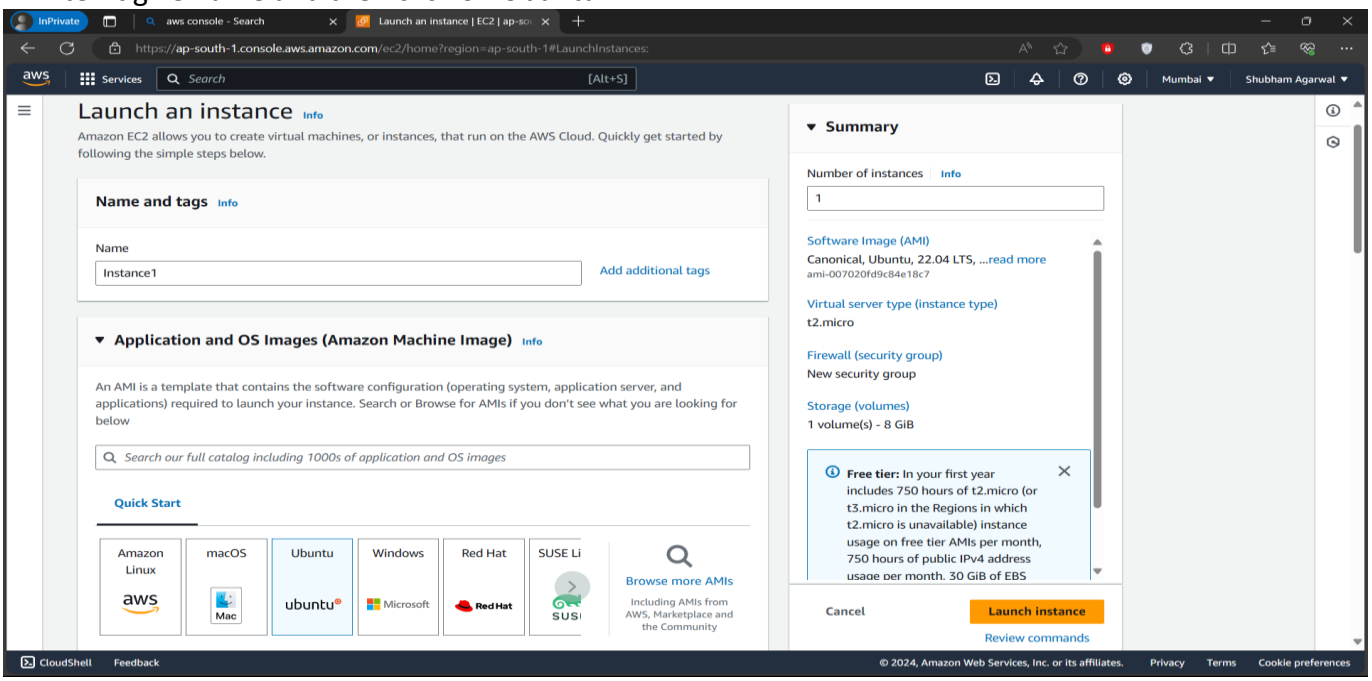
5. Now click on Create Security group.



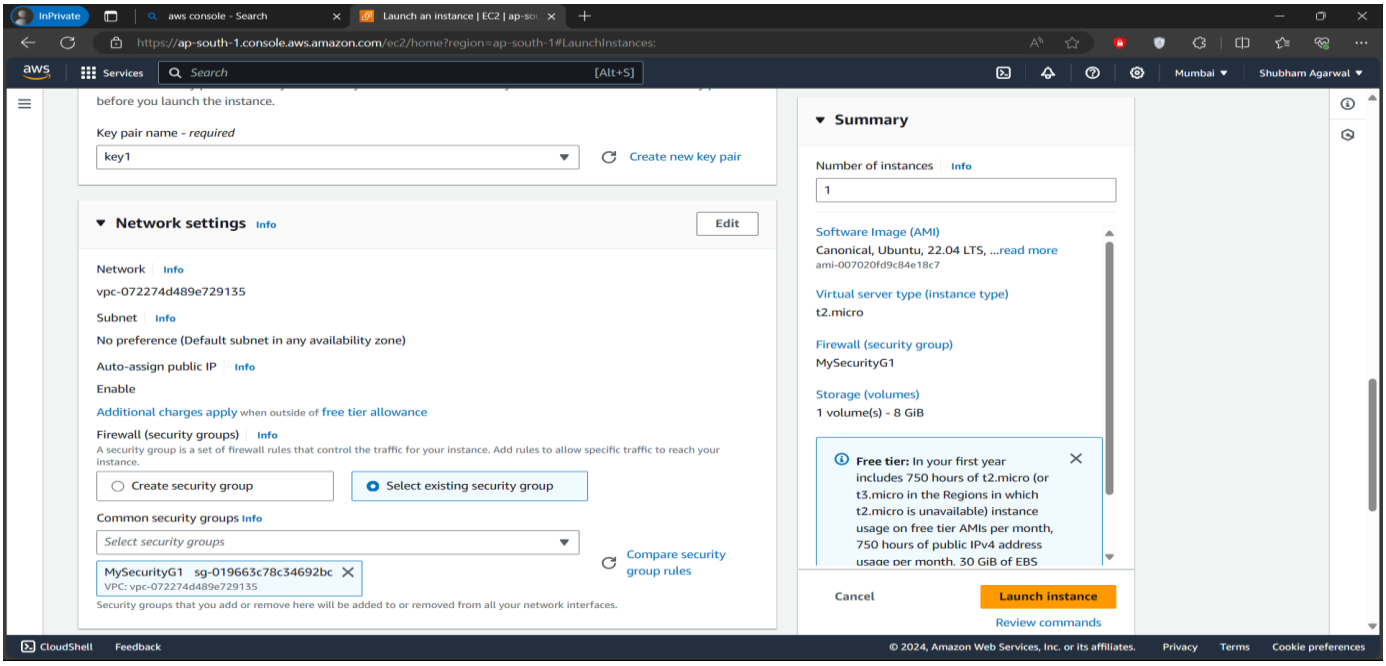
6. Now Go to Instances and then Launch Instance.



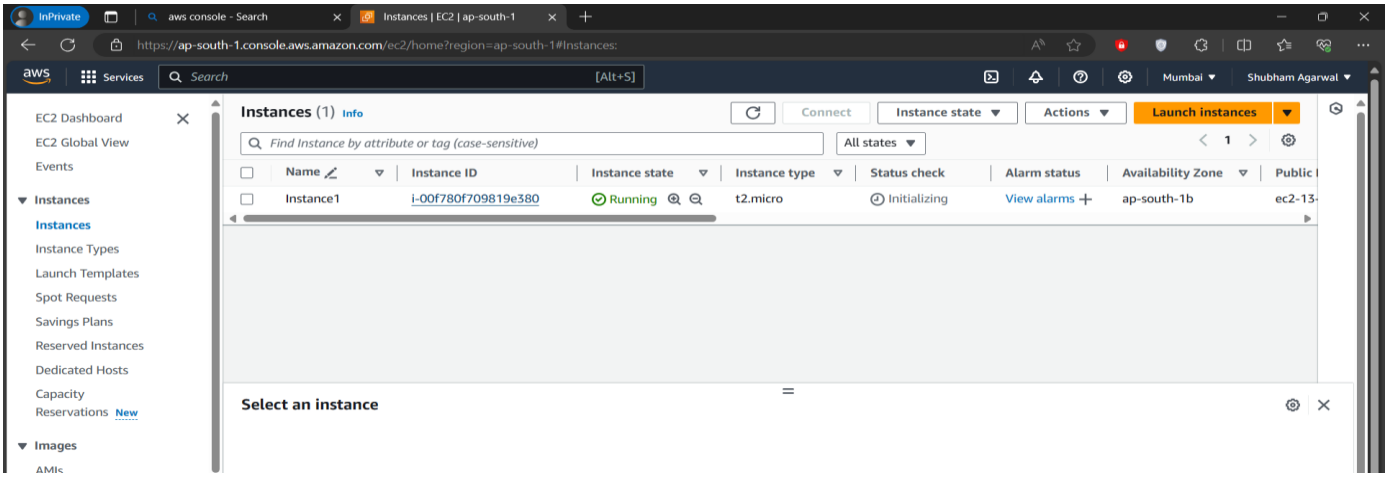
7. After it give name and then click on Ubuntu.



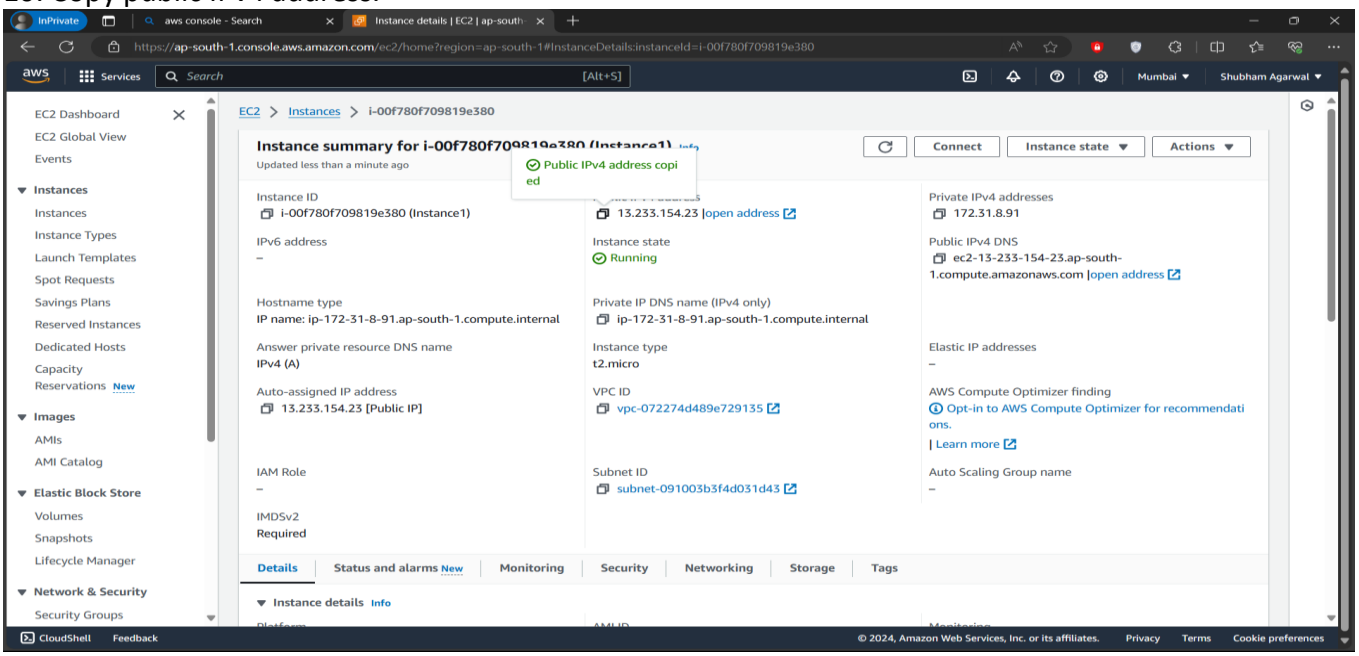
8. Now select key pair and also then click on Select existing security group and select the new security group created then click on Launch Instance.



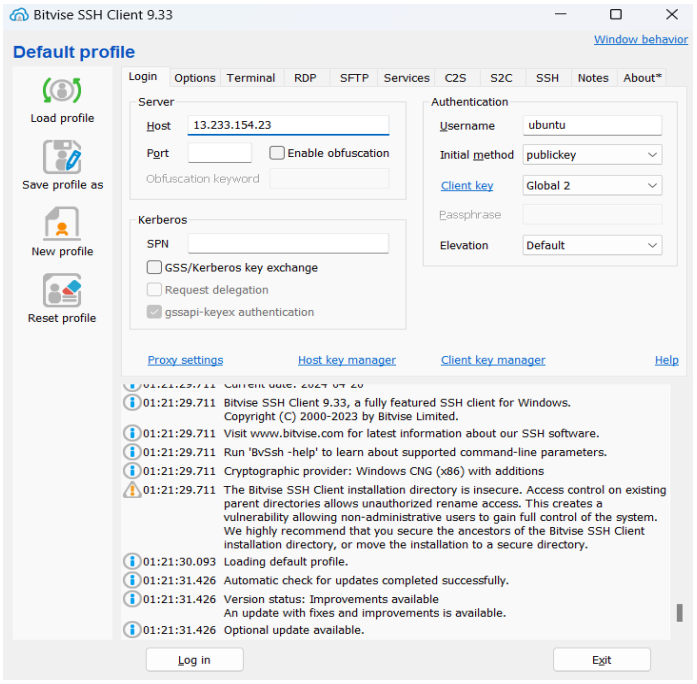
9. Go to Instances and click on the new instance

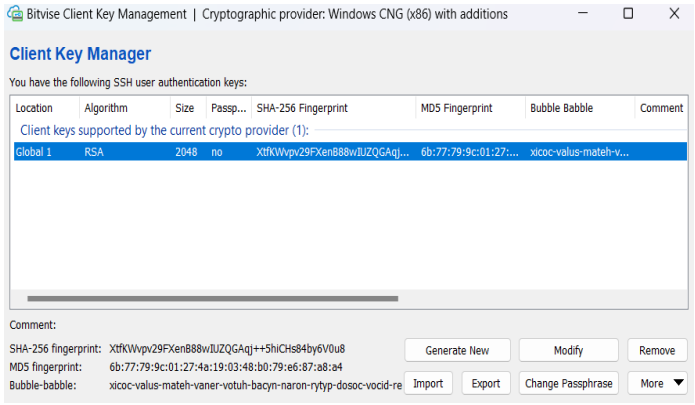


10. Copy public IPv4 address.

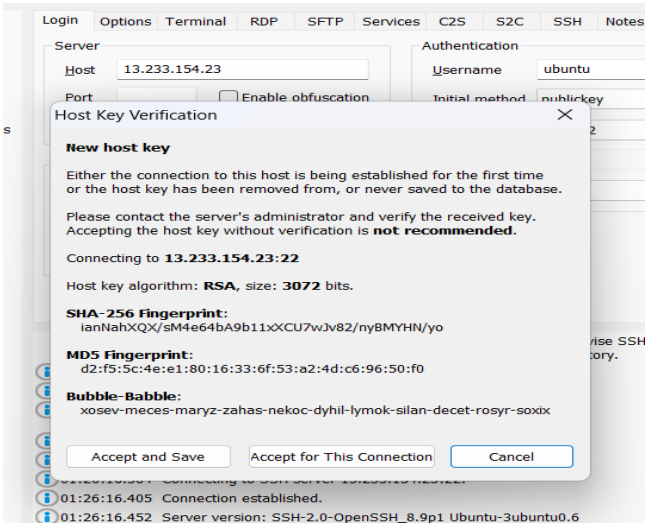


11. Paste it in host of Bitvise SSH Client and import key pairing Client key manager.



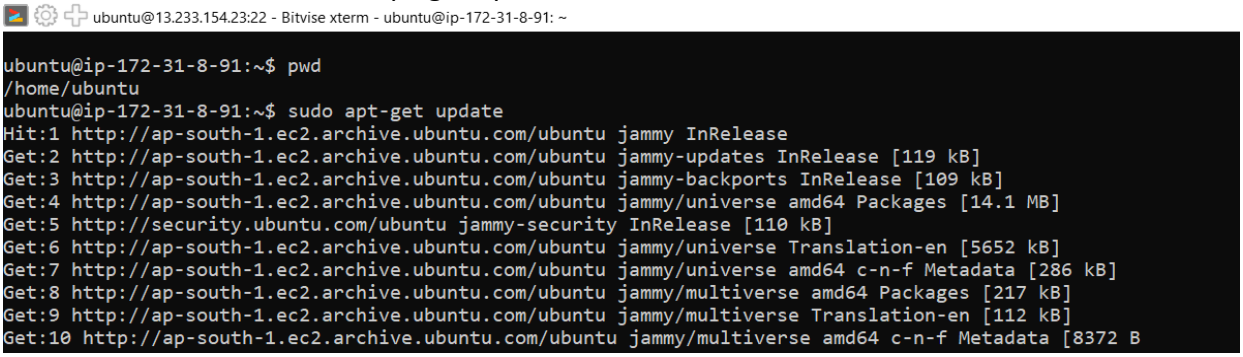


12. Now click on LogIn and verify the host key and click on save



13. Now open terminal after login and then write all commands :

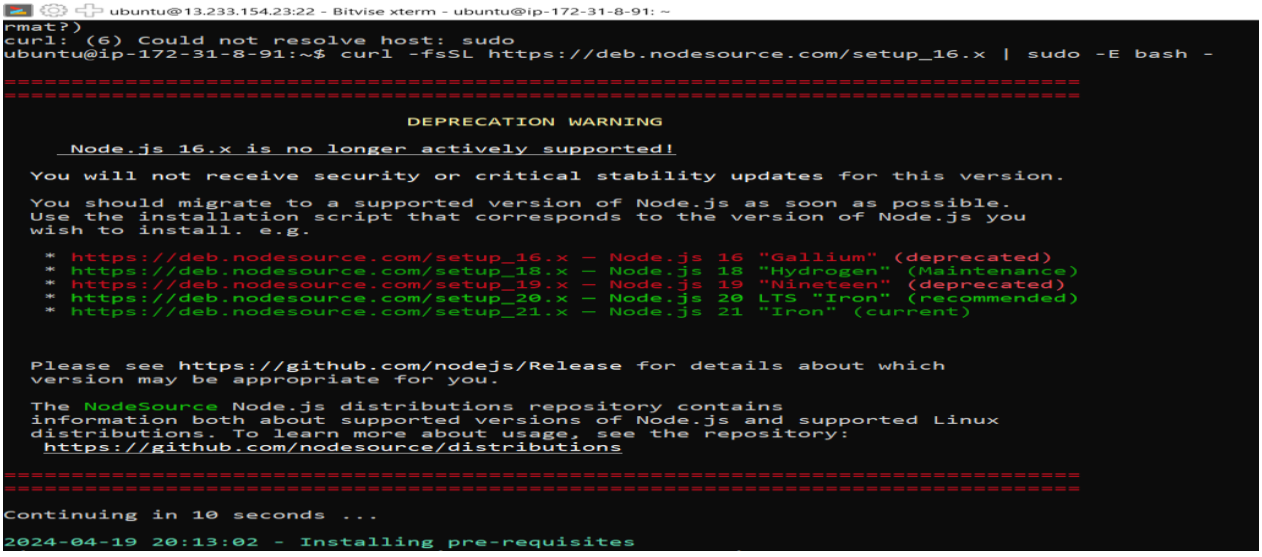
- Pwd
- sudo apt-get update



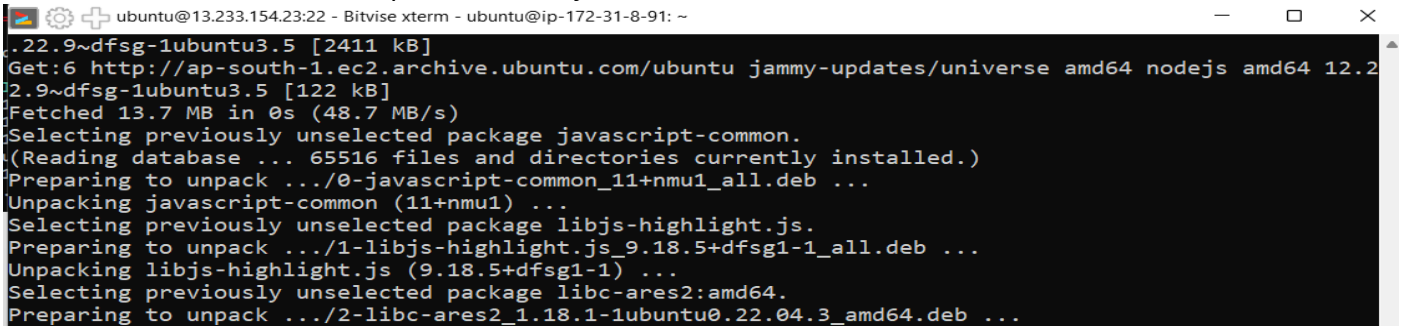
- sudo apt-get upgrade

- sudo apt-get install nginx

- curl -fsSL https://deb.nodesource.com/setup_16.x | bash -

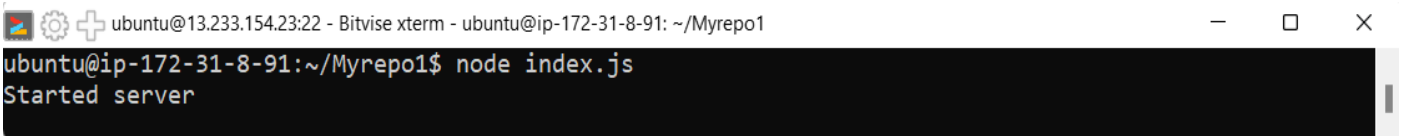


- sudo apt install nodejs

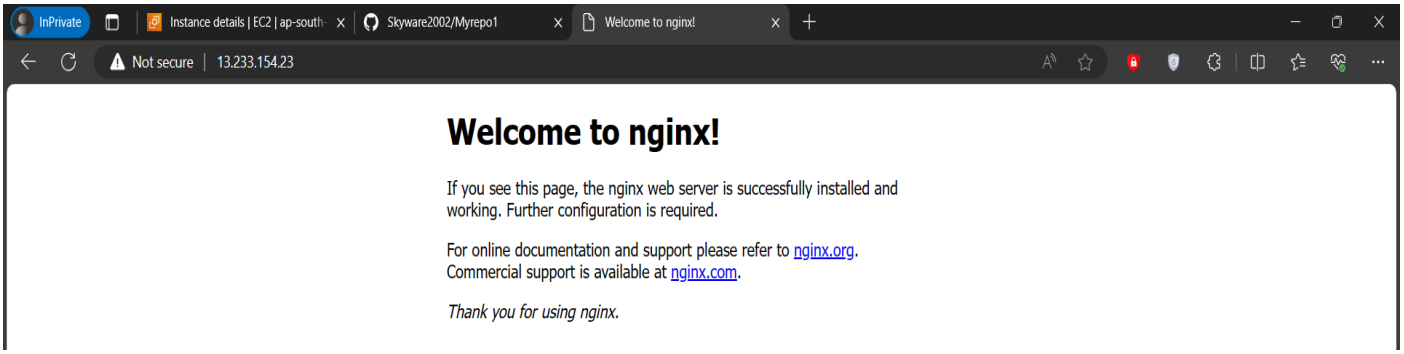


- git clone https://github.com/Skyware2002/Myrepo1.git
- cd Myrepo1

- npm install
- node index.js



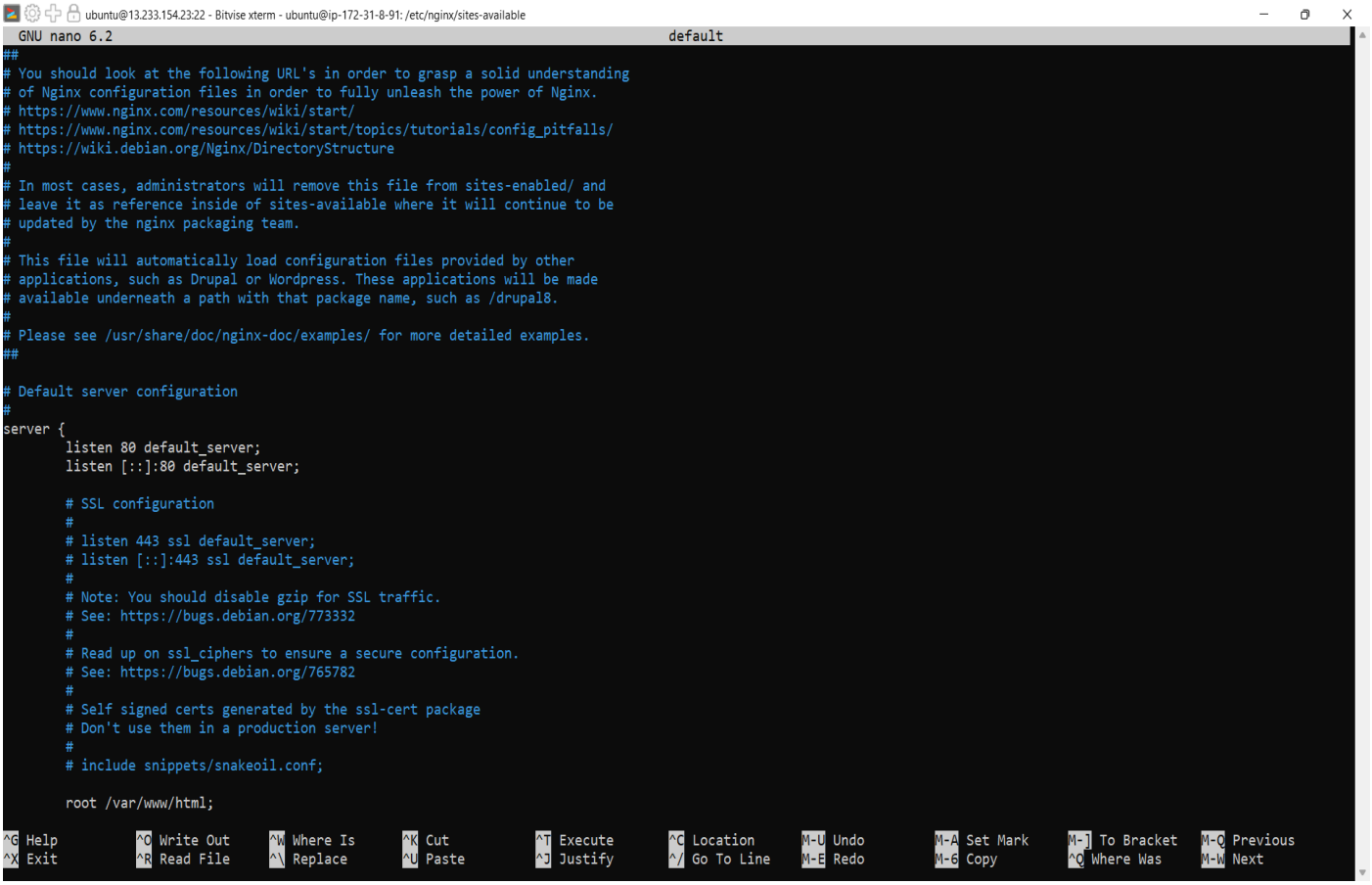
13. Now server has started. If we paste it in url section then we can seenginx has started. To stop server click (ctrl+c).



14. Now write these all commands:

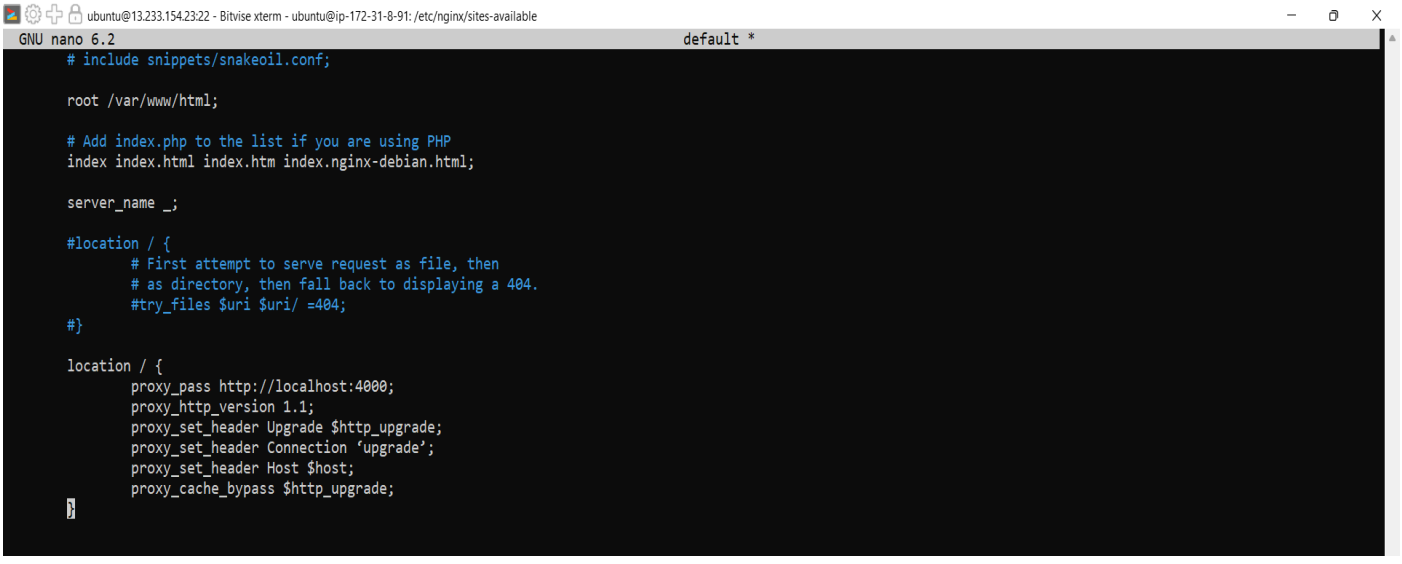
- cd /
- pwd
- cd etc/nginx/sites-available/

- sudo nano default

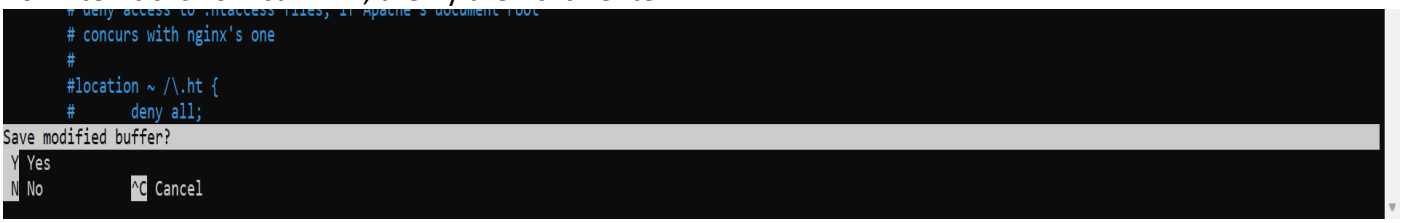


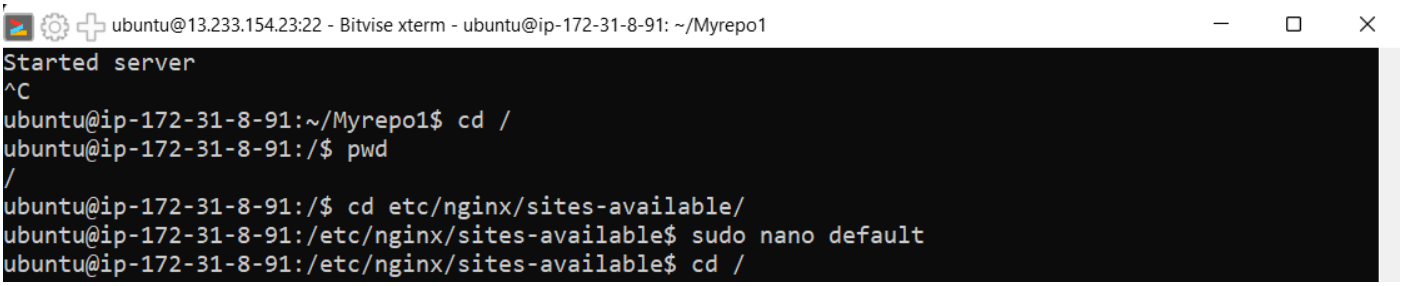
15. A new window will be opened. There at first go to location area and comment all codes and the write:

- location/{
  proxy_pass http://localhost:4000;
  proxy_http_version 1.1;
  proxy_set_header Upgrade $http_upgrade;
  proxy_set_header Connection ‘upgrade’;
  proxy_set_header Host $host;
  proxy_cache_bypass $http_upgrade;
  }



16. After it click on ‘ctrl + x’ , then y then click enter.



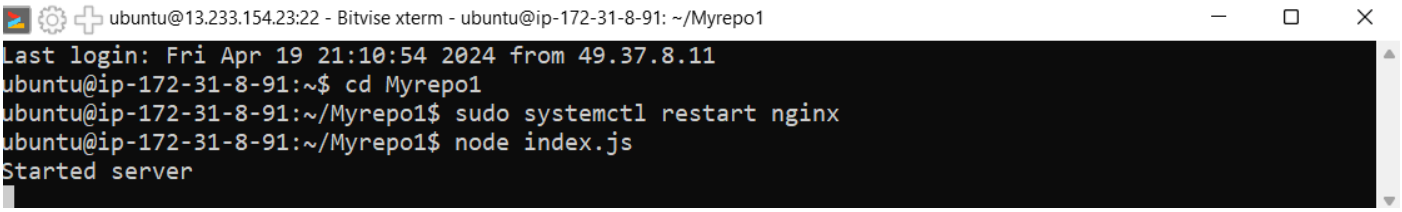


17. Now open new terminal and write

-> cd Myrepo1

-> sudo systemctl restart nginx.

-> node index.js



18. Now copy that public IPv4 address again and paste it in url andthere you can see that without giving port(:4000) with url we have hosted the website.