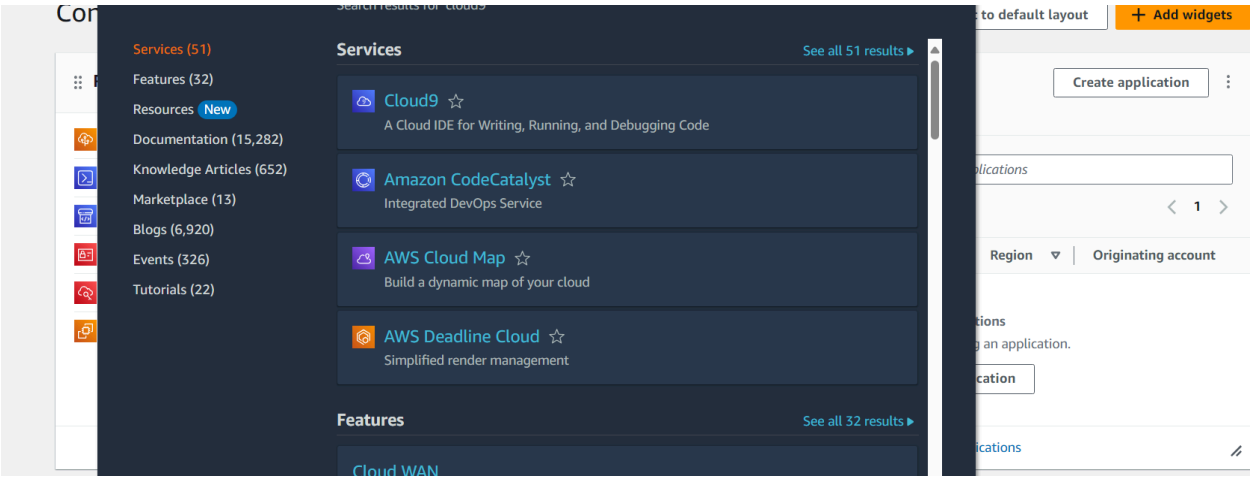
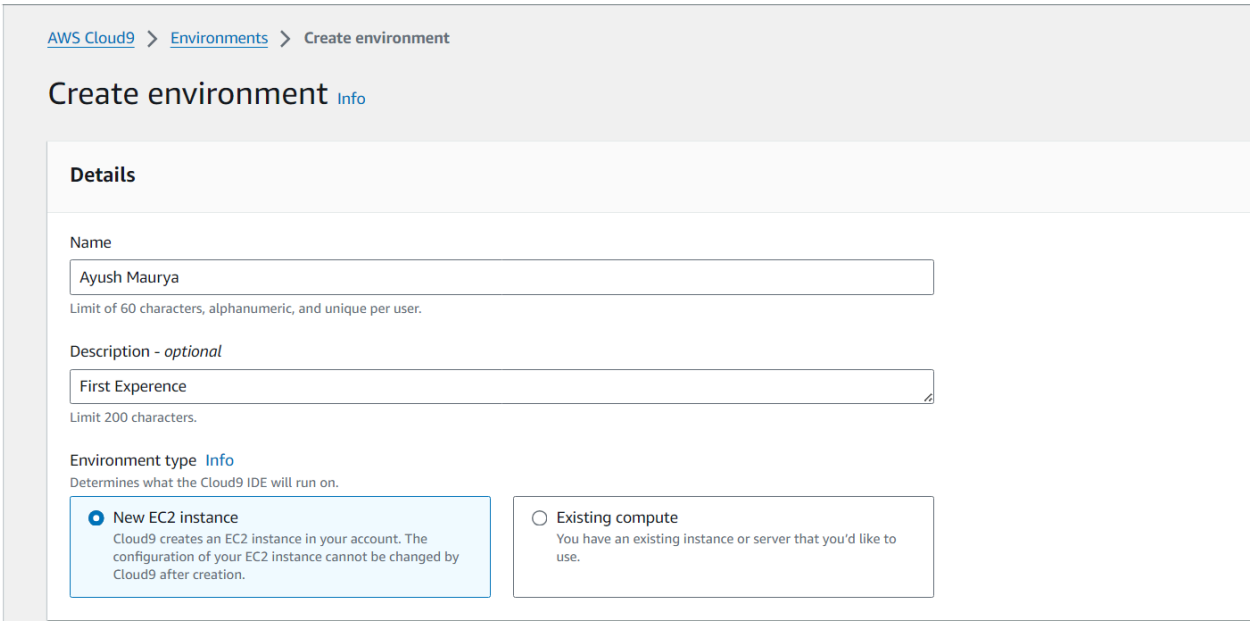
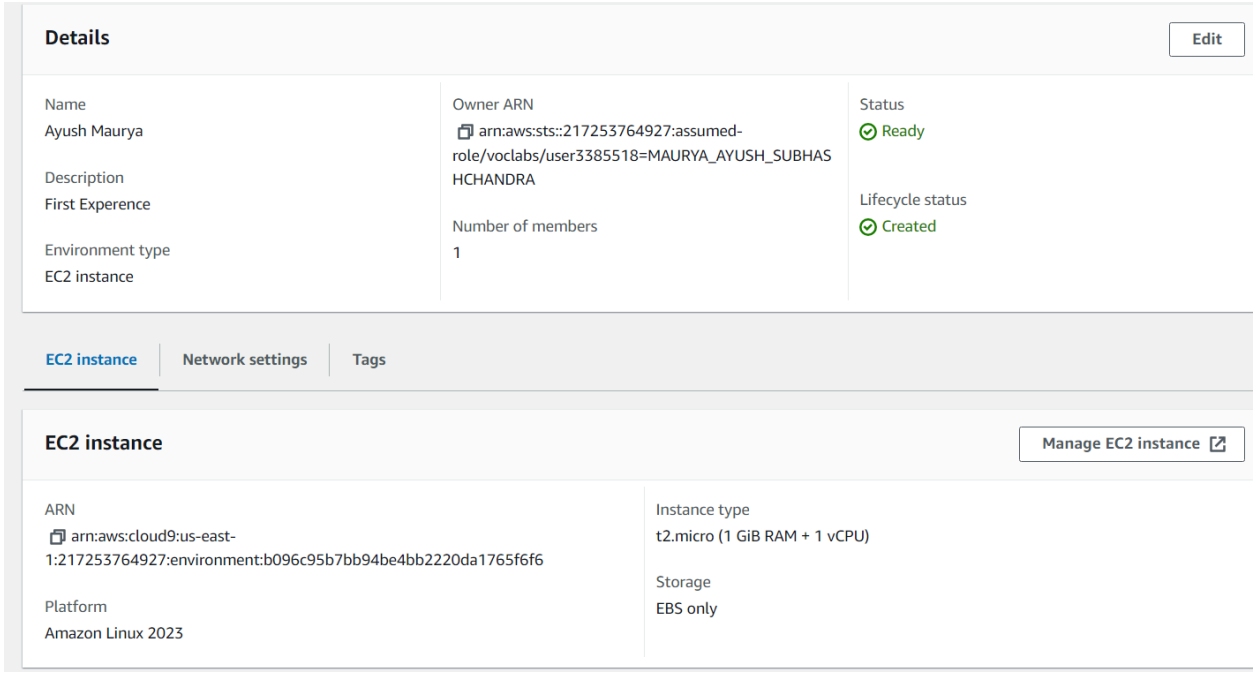
Step 1: Set up Cloud9 environment.

1) Search Cloud9 in the services tab and open it

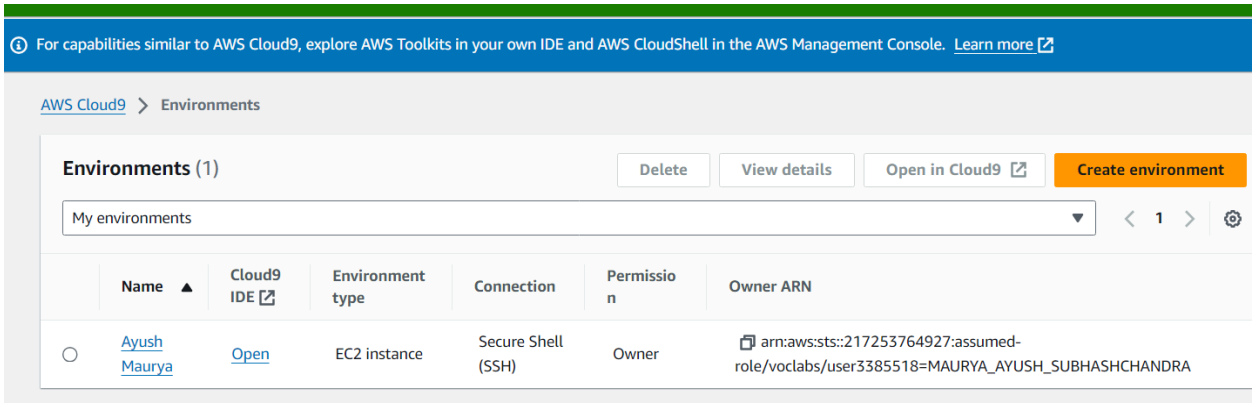


2) Click on Create Environment.
→Give a name to your Cloud9 Environment. You can add a description if needed.
→Select the option new EC2 instance if you do not have one ready for the environment. Give the specifications of that EC2 instance ahead
→On the AWS Academy account, if we select AWS System Manager(SSM) in Network settings, it gives and error as the account does not have permissions to use the setting. So we select Secure Shell (SSH). After that click on Create.



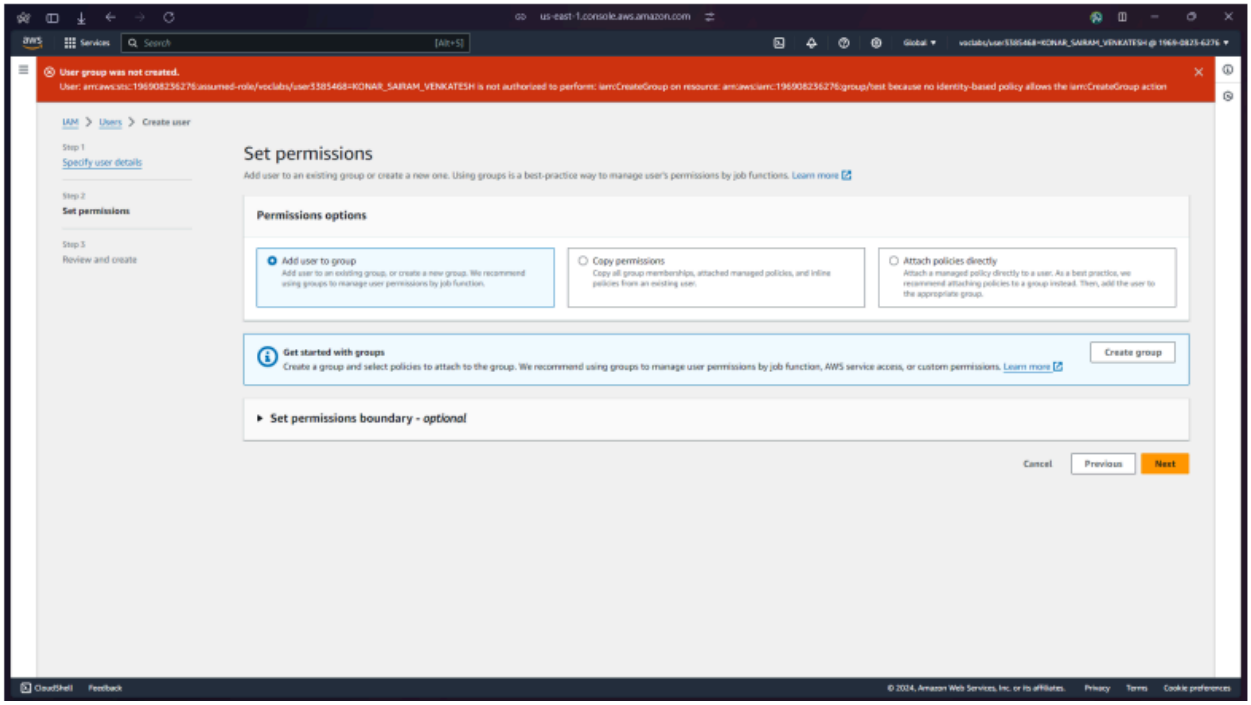


6) The environment is being created.

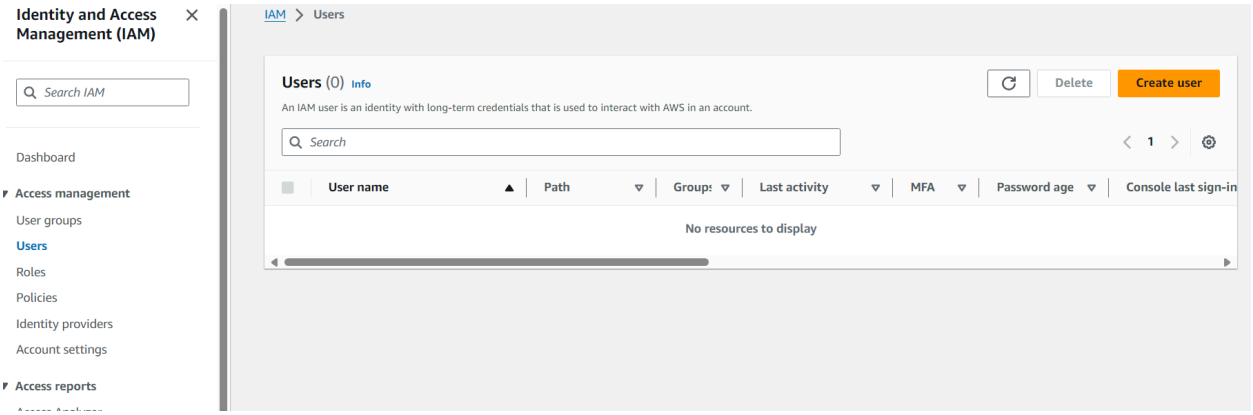


Step 2: Creating IAM user.

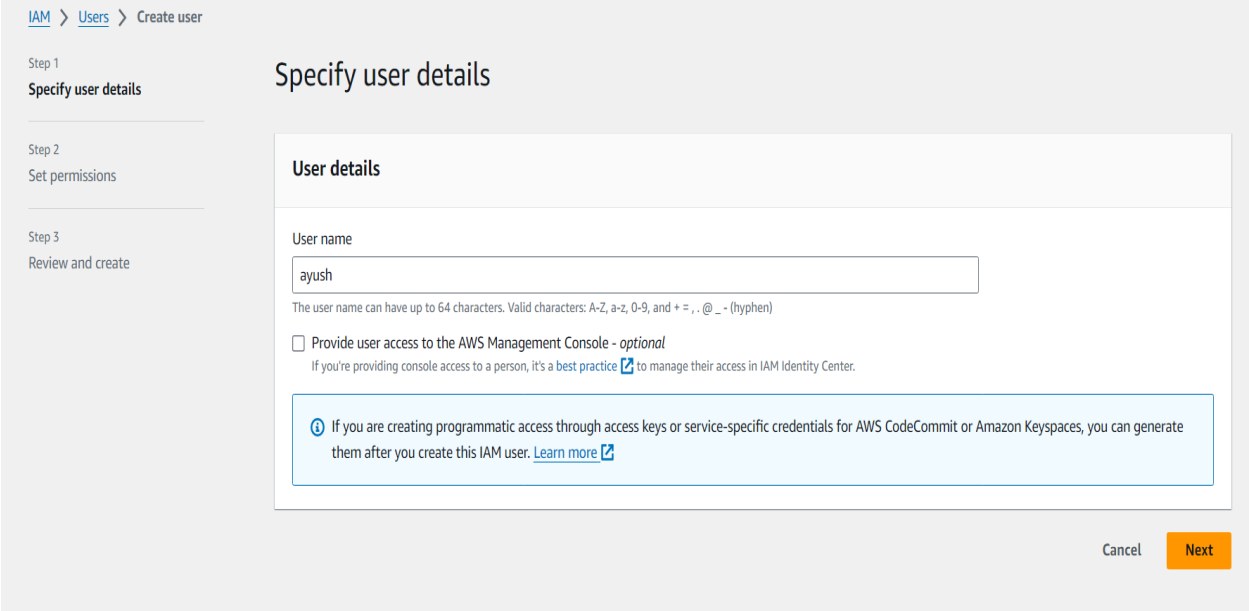
When we go to add user to a group, the AWS Academy account throws an error as we do not have the permissions to create a group. So we have to use our personal AWS account for this part. ‘



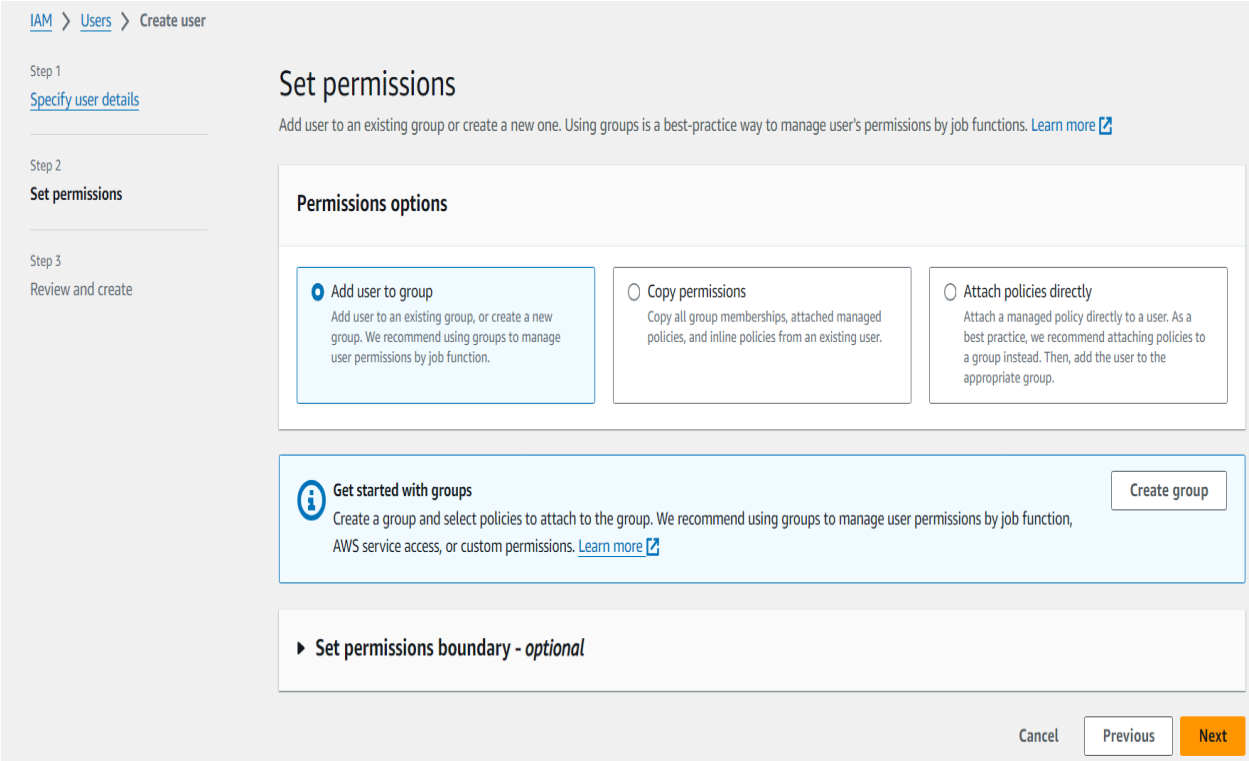
1) Search IAM on the services search bar and open it. Click on Create User.



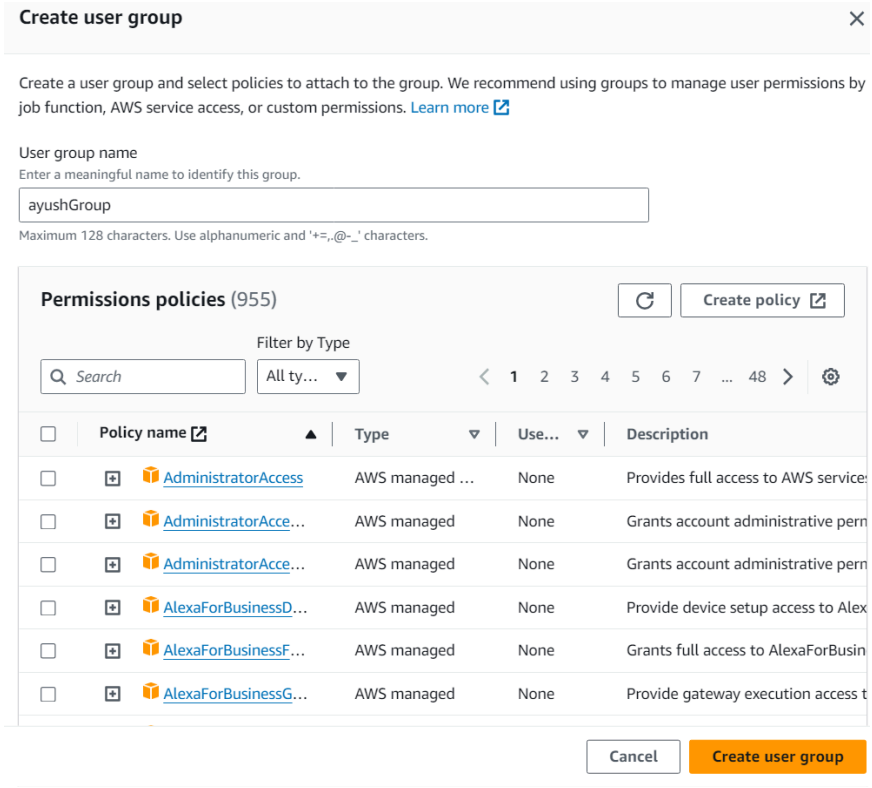
2) Give a username to your user and click Next.



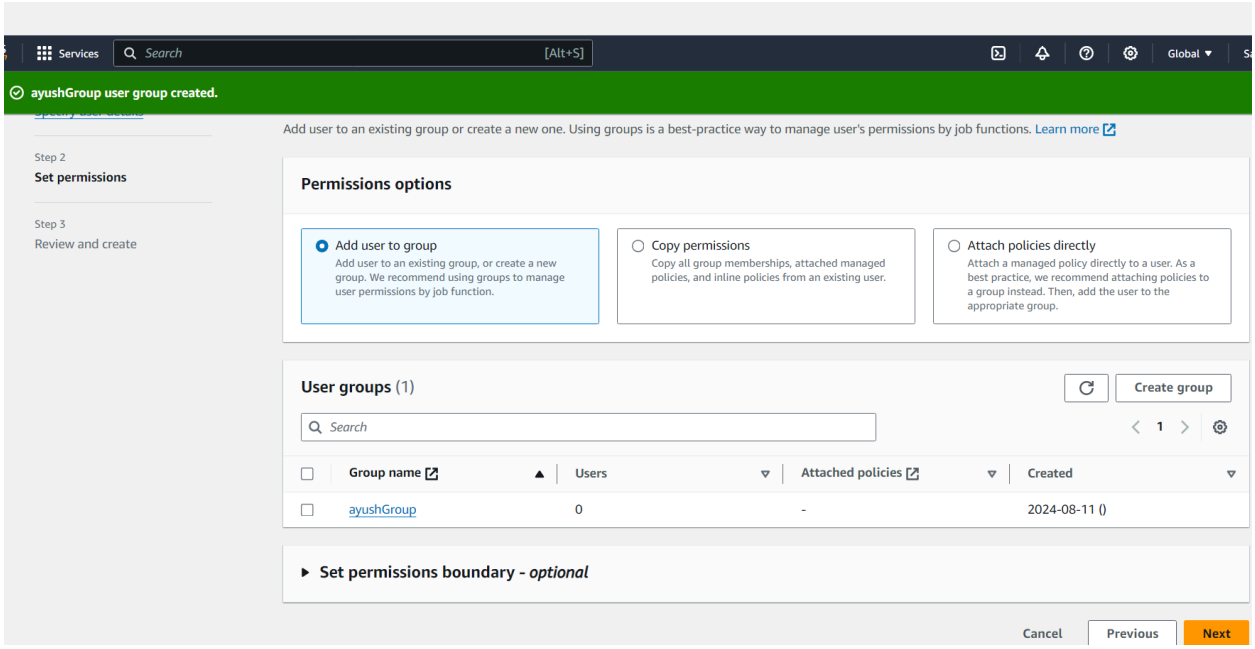
3) Select add User to Group. If there are no user groups on your accounts, you will have to create one. Click on Create Group.



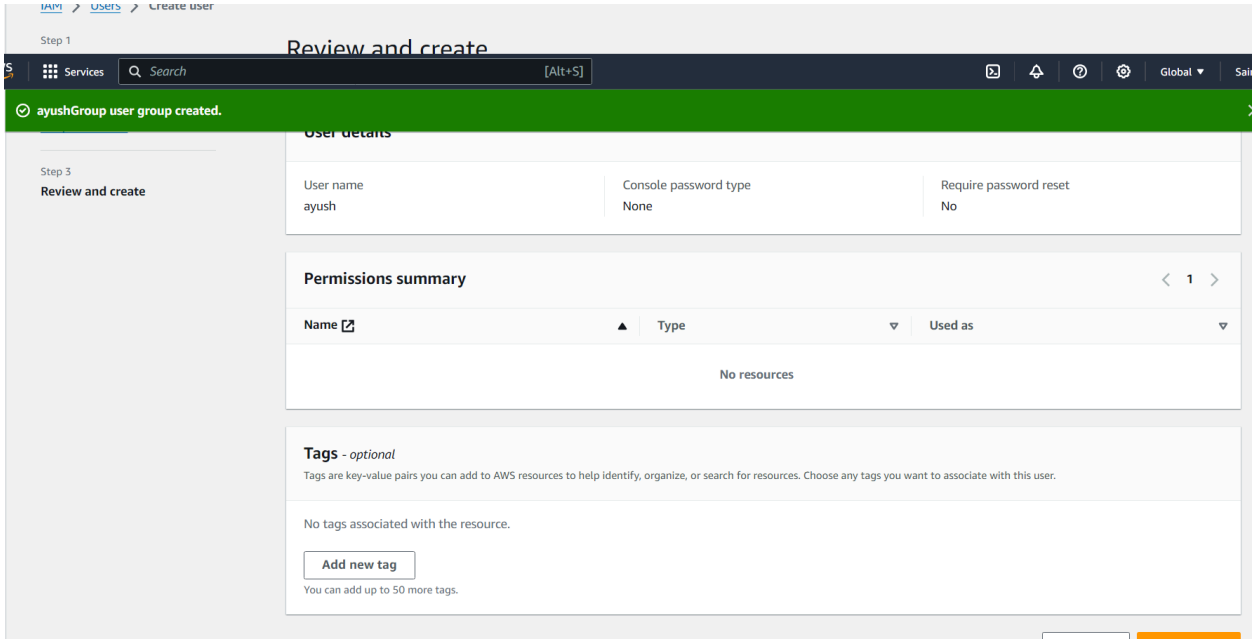
4) Give a name to your user group. Then click on Create User Group.



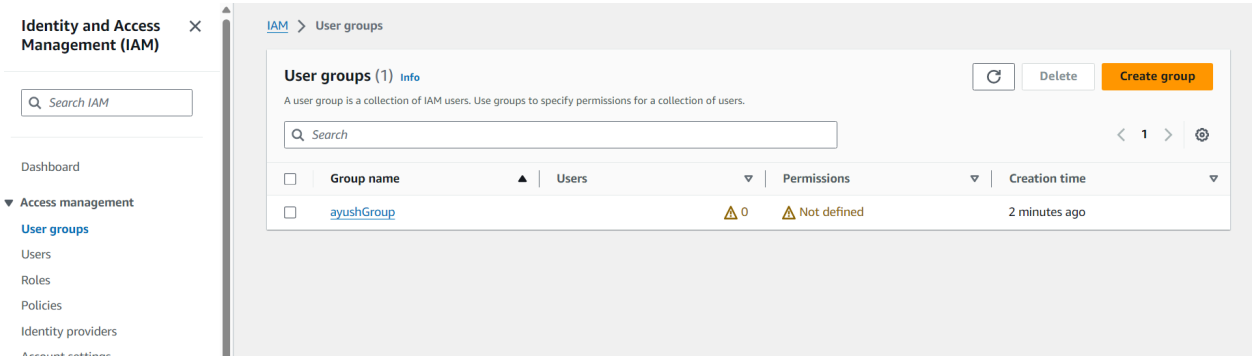
5) The group is created and shown under the groups area, select the group by clicking on the checkbox. Then click Next.



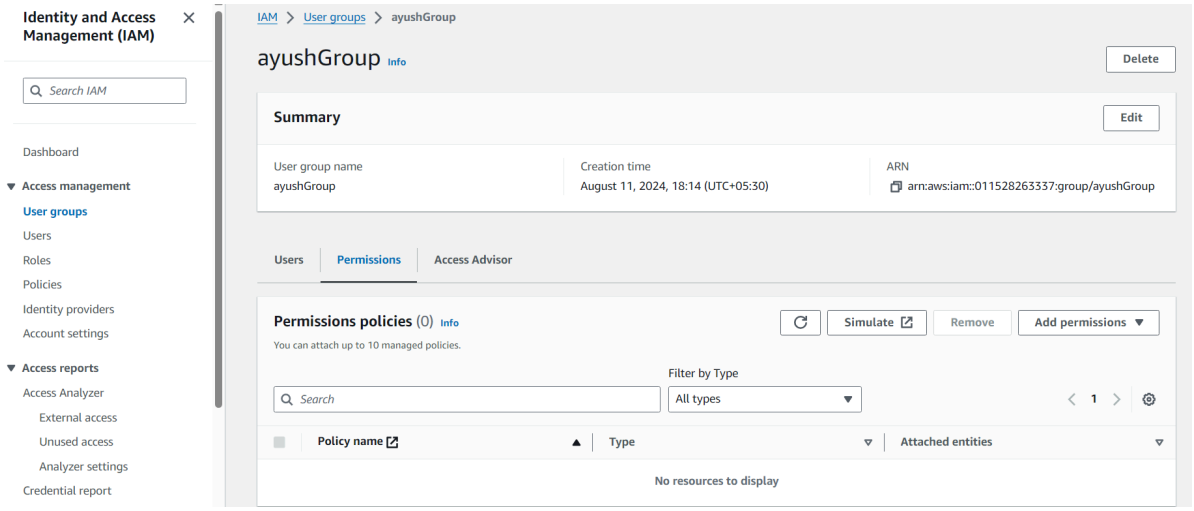
6) Review all the Information, then click on Create user.



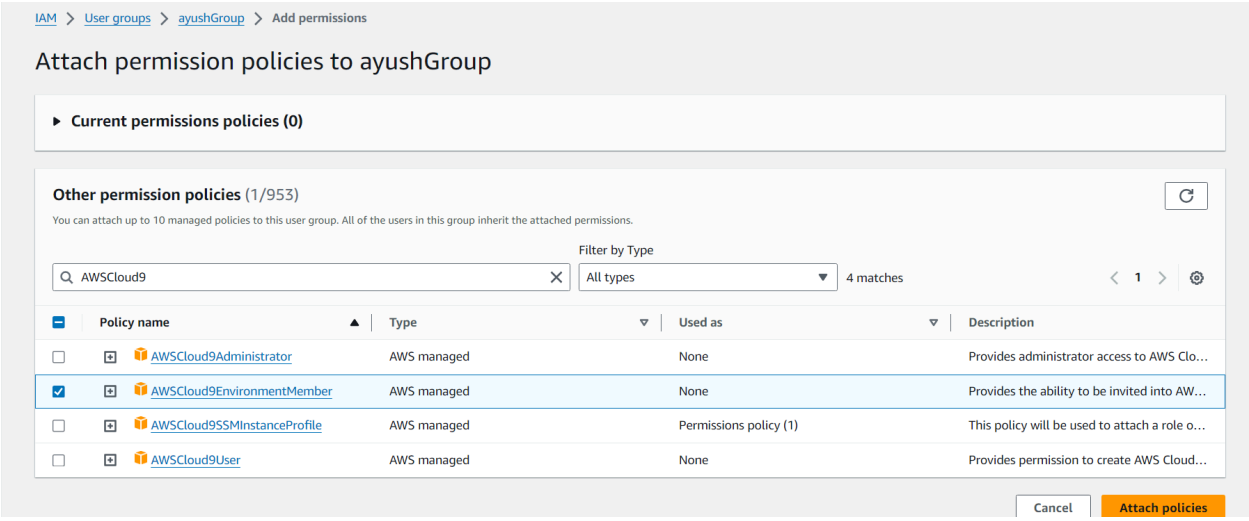
7) Open User Groups tab from the left side option. Click on the name of your group.



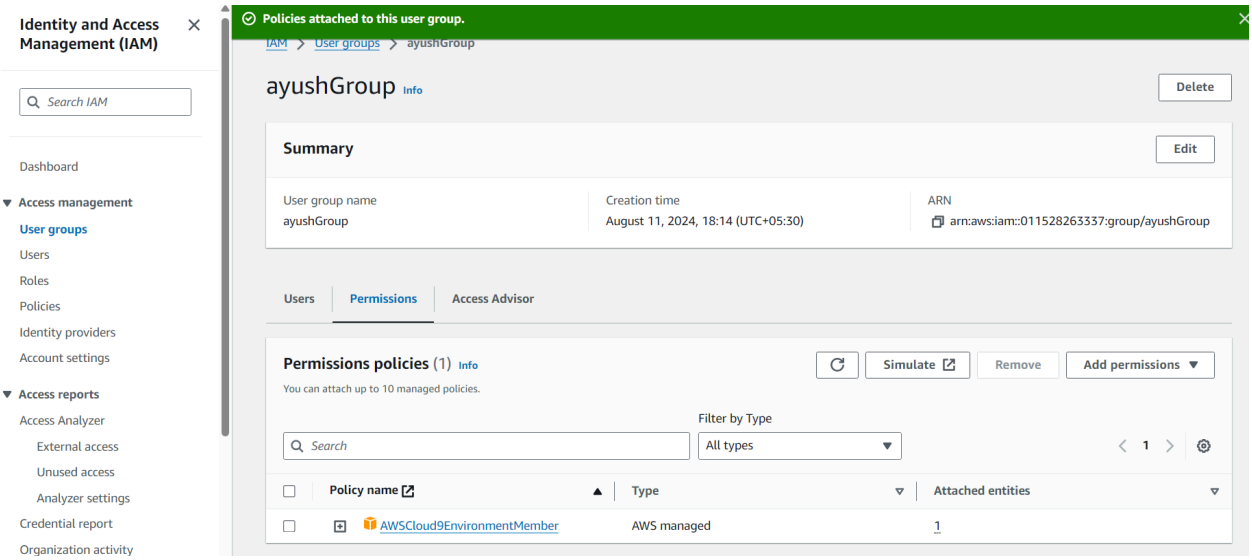
8) Go to permissions and click on Add permissions. Click on Attach Policies.



9) Search for AWSCloud9EnvironmentMember, select it and click on Attach policies

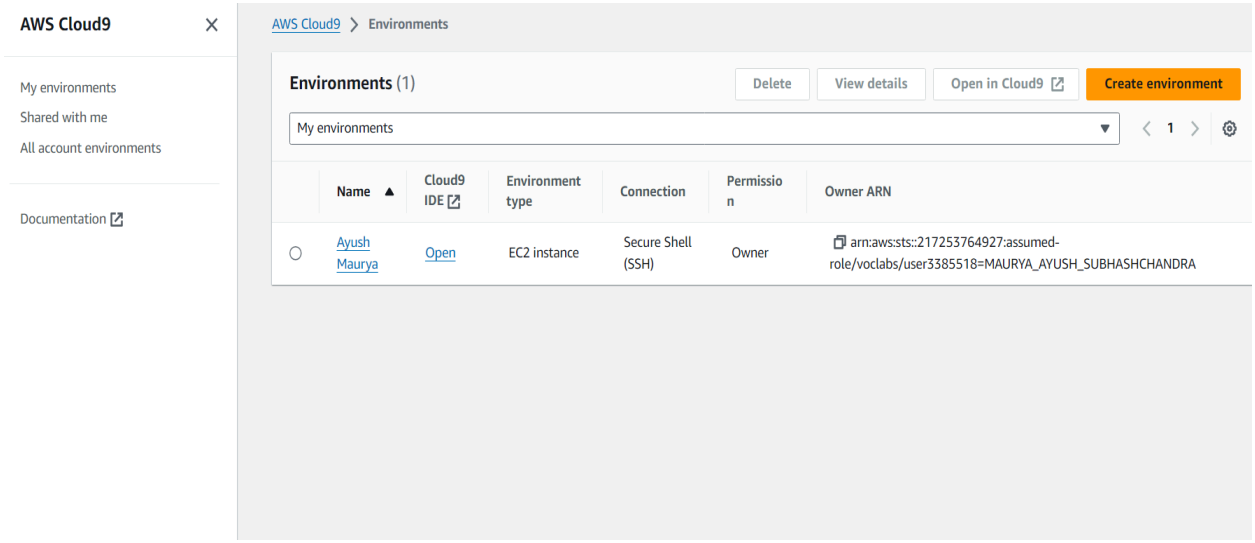


10) The policies have been attached

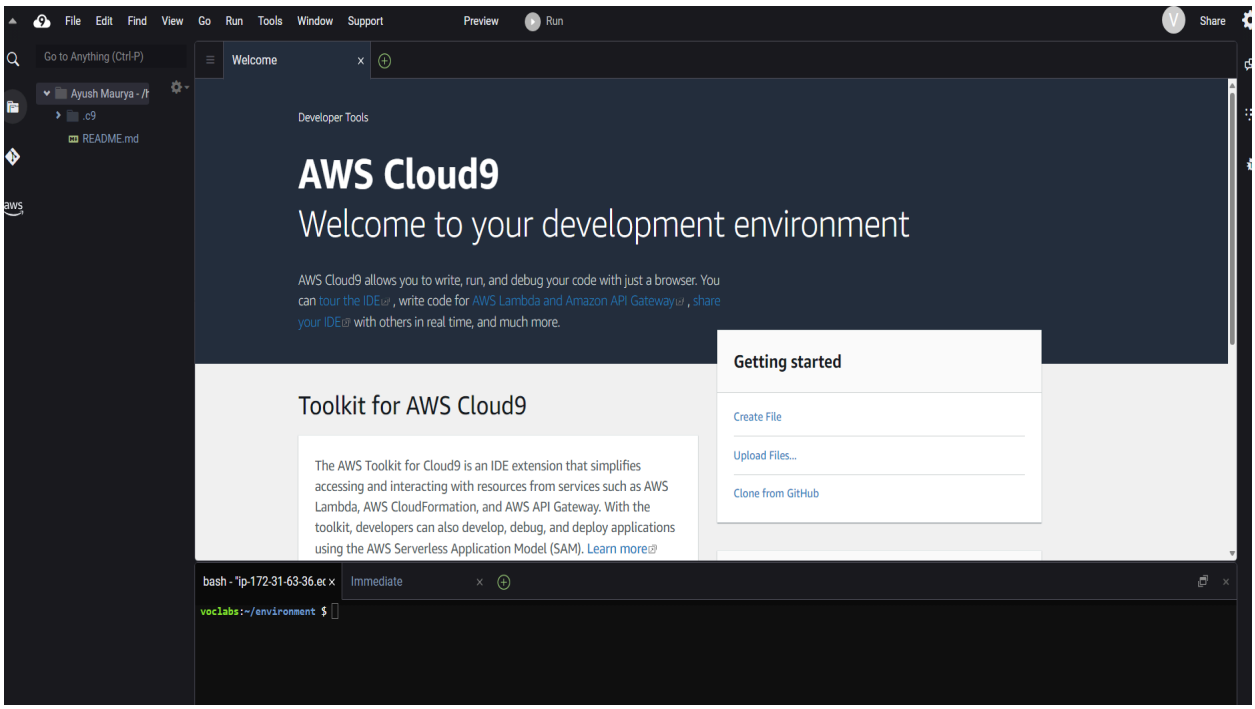


Step 3: Working on Cloud9 IDE

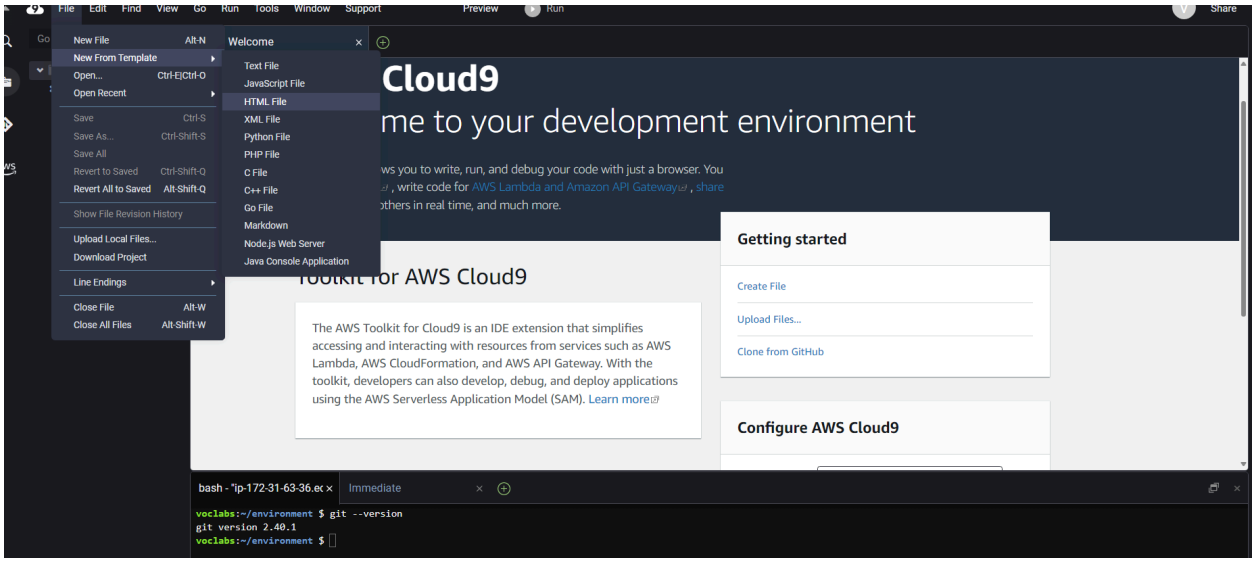
1) Go to Cloud9 services. Click on Open under Cloud9 IDE.



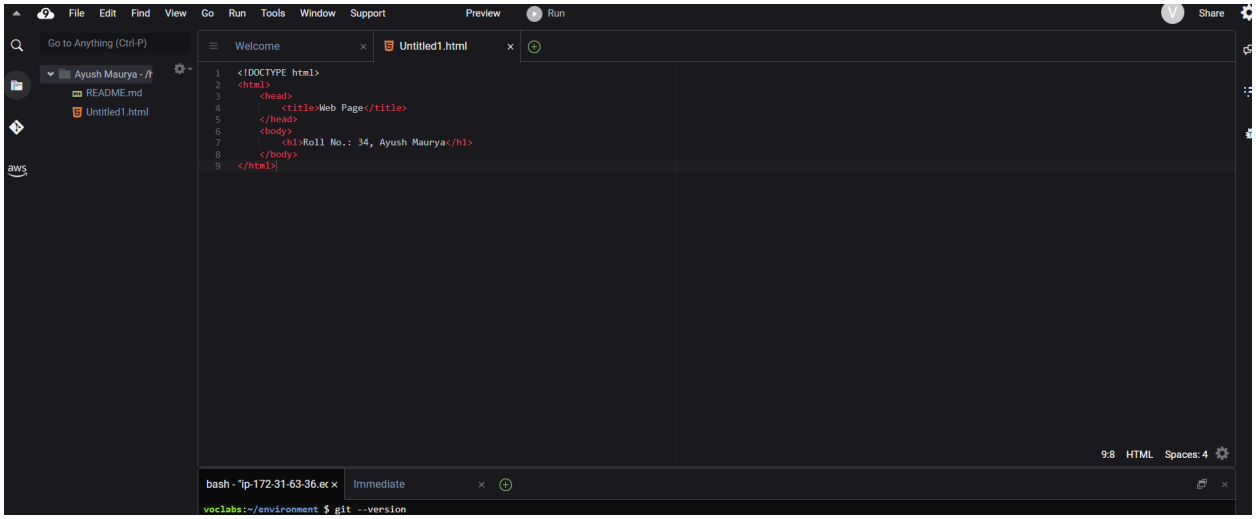
2) This is the Cloud9 IDE interface. The major part of the screen is the coding IDE. There is a command console just below it. For example, the command git --version is run.



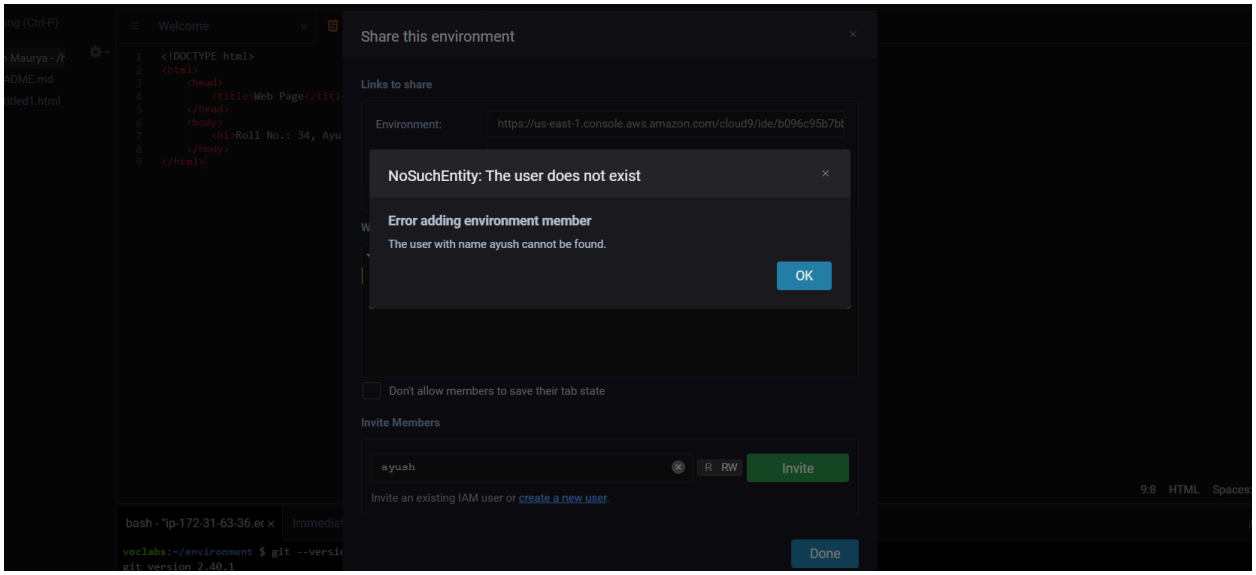
3) To add a file, click on file. For this experiment, we are to add an HTML file. So go to File → New From Template → HTML file. This gives a basic HTML template on the coding IDE.



4) Make a basic website on the HTML template and save it.



After saving, on the toolbar towards the far right, click on Share. Then put the username that you had put during creating IAM user.



Here, it gives an error as Cloud9 was created on the academy account where creating an IAM group is not available, meanwhile on the personal account, the services of Cloud9 have been deprecated. So currently, it is not possible to integrate the cloud9 and IAM parts of the experiment.