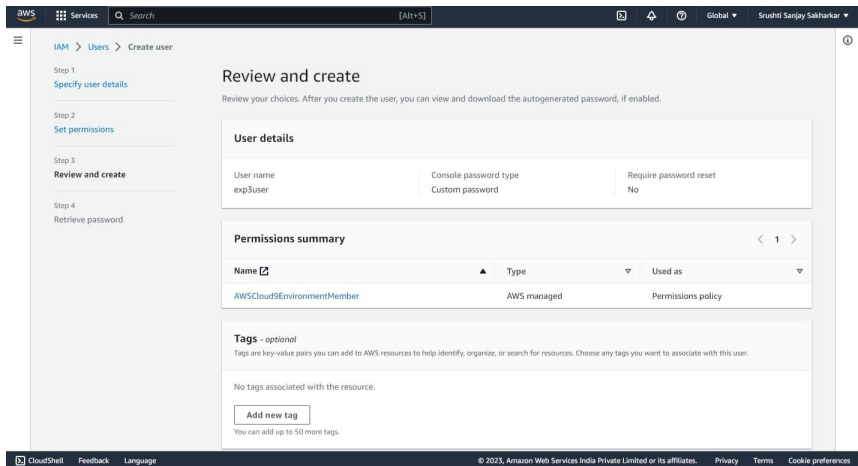
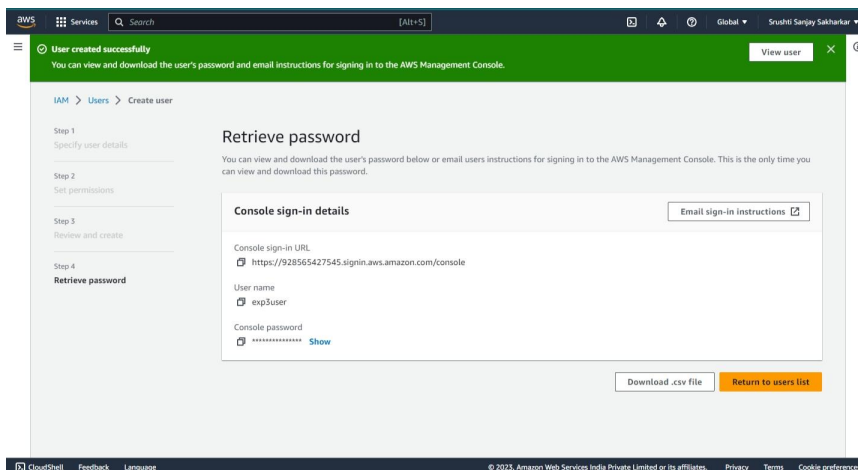


Creating IAM user for collaboration

1. In the other tab -Open IAM Identity and Access Management to Add User.



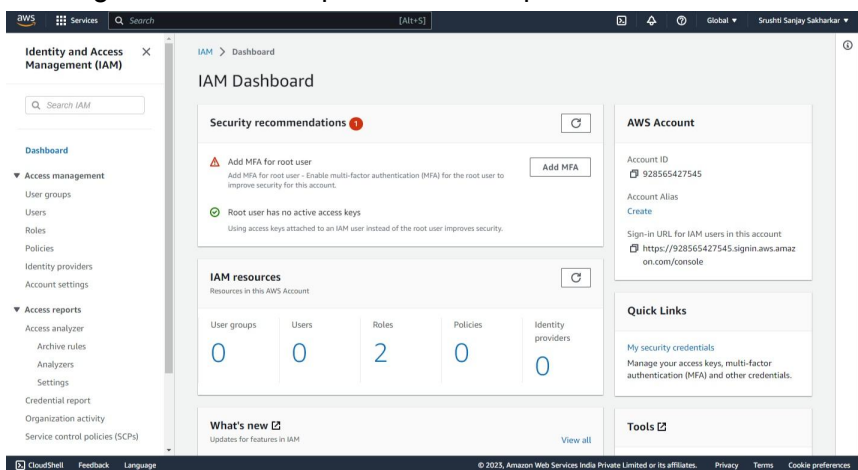
2. Give user console access , Provide user with custom password.



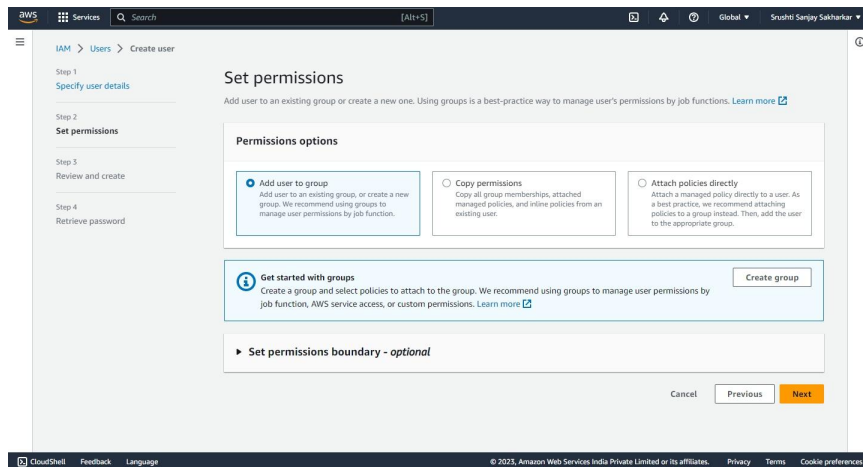
3. Create group from IAM

4. Provide group name and click on create group.

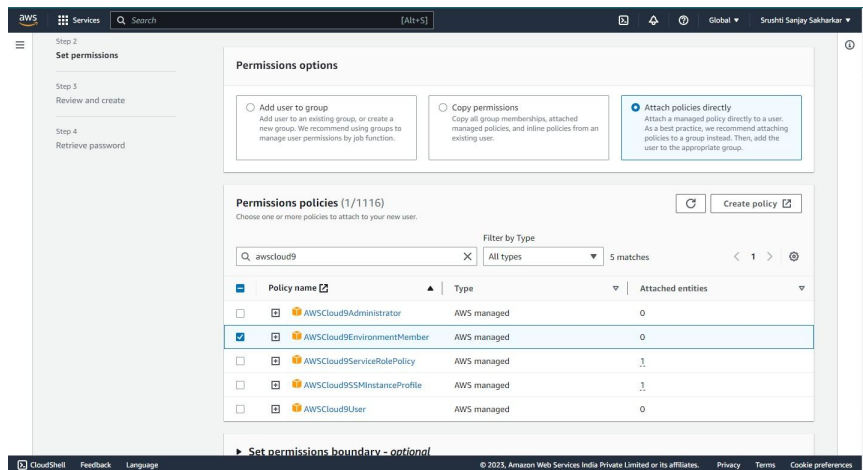
5. Navigate to user Groups from the left pane in IAM.



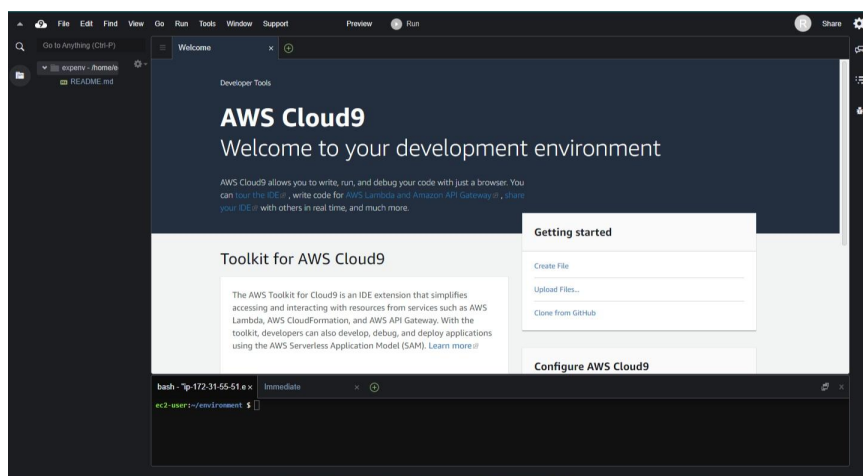
6. click on your group name which you have created and navigate to permission tab



7. Add permission and select Attach Policy after that search for Cloud9 related policy and select Awscloud9EnviornmentMember policy and add it.

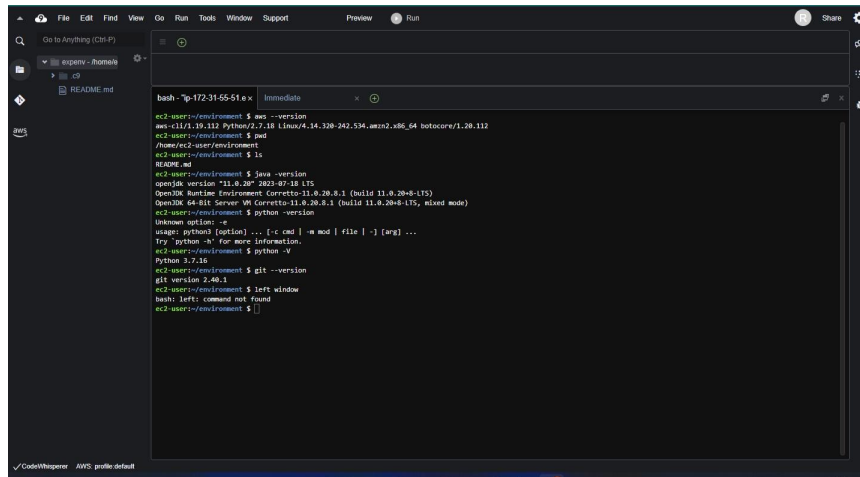


8. Move towards cloud9 IDE Environment tab



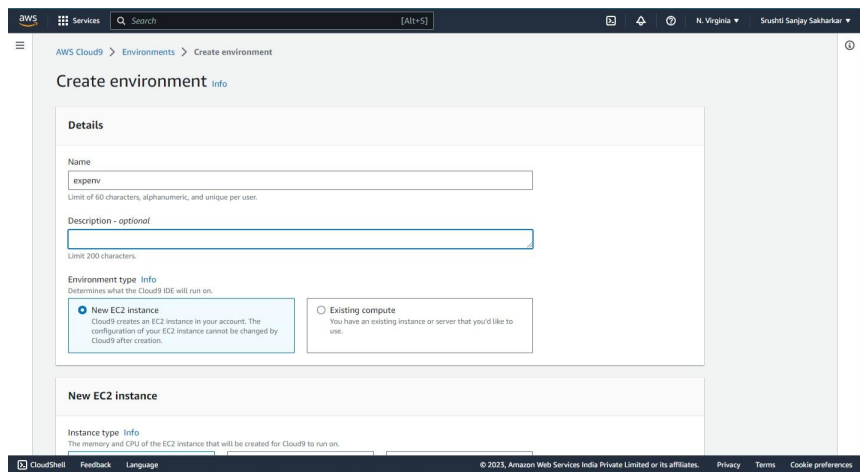
9. Cloud9 IDE has 1. file organizer, 2. coding window and 3. aws integrated CLI with some pre-installed softwares like git, node, python.

10. for command operations: check git, node and python version, iam user details etc.



```
bash -p /tmp-0165-51 ex Immediate
ec2-user@environment: ~$ aws --version
aws-cli/1.19.10 pythons/2.7.18 Linux/4.14.120-242.534.amzn2.x86_64 botocore/1.20.112
ec2-user@environment: ~$ pwd
/home/ec2-user/environment
ec2-user@environment: ~$ ls
README.md
ec2-user@environment: ~$ aws --version
awscli version "1.19.10" 2023-07-18 LTS
OpenJDK Runtime Environment Corretto-11.0.20.8.1 (build 11.0.20+8-LTS)
OpenJDK 64-Bit Server VM Corretto-11.0.20.8.1 (build 11.0.20+8-LTS, mixed mode)
ec2-user@environment: ~$ python --version
Python 3.7.16
ec2-user@environment: ~$ git --version
git version 2.40.1
ec2-user@environment: ~$ left window
health: left: command not found
ec2-user@environment: ~$
```

11. Let's setup collaborative environment



Create environment

Details

Name:
Limit of 60 characters, alphanumeric, and unique per user.

Description - optional:
Limit 200 characters.

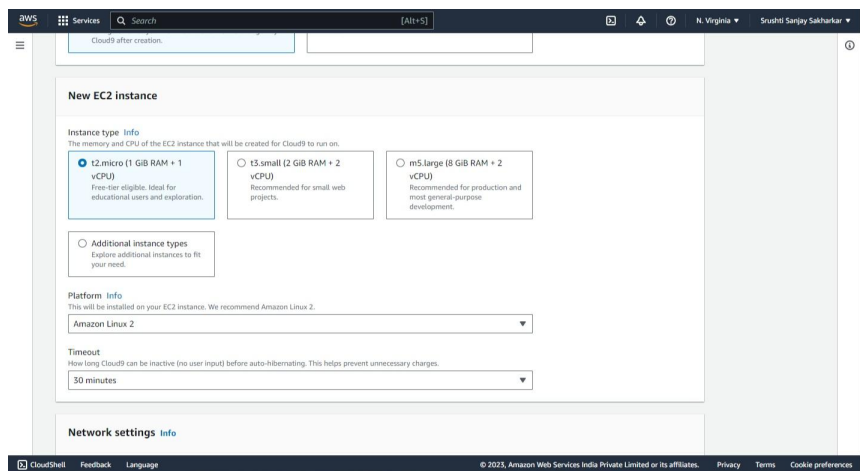
Environment type Info
Determines what the Cloud9 IDE will run on.

☒ **New EC2 instance**
Cloud9 creates an EC2 instance in your account. The configuration of your EC2 instance cannot be changed by Cloud9 after creation.

☐ Existing compute
You have an existing instance or server that you'd like to use.

New EC2 instance

Instance type Info
The memory and CPU of the EC2 instance that will be created for Cloud9 to run on.



New EC2 instance

Instance type Info
The memory and CPU of the EC2 instance that will be created for Cloud9 to run on.

☒ **t2.micro (1 GiB RAM + 1 vCPU)**
Free-tier eligible. Ideal for educational users and exploration.

☐ t3.small (2 GiB RAM + 2 vCPU)
Recommended for small web projects.

☐ m5.large (8 GiB RAM + 2 vCPU)
Recommended for production and most general-purpose development.

☐ Additional instance types
Explore additional instances to fit your need.

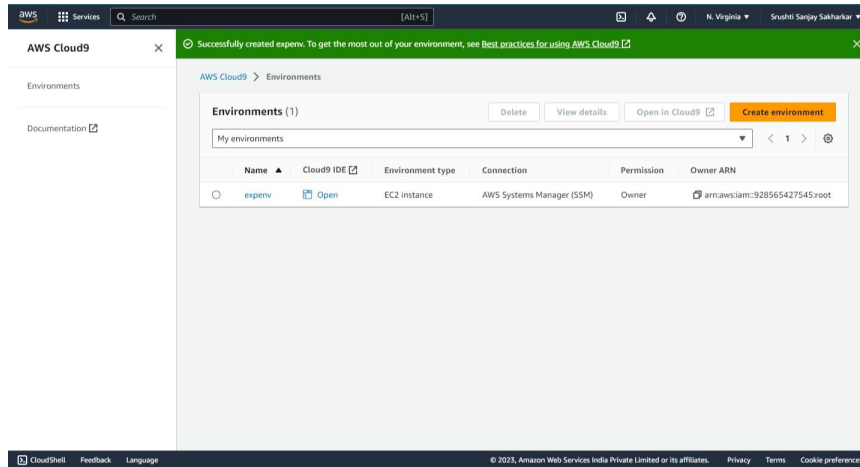
Platform Info
This will be installed on your EC2 instance. We recommend Amazon Linux 2.

Amazon Linux 2

Timeout
How long Cloud9 can be inactive (no user input) before auto-hibernating. This helps prevent unnecessary charges.

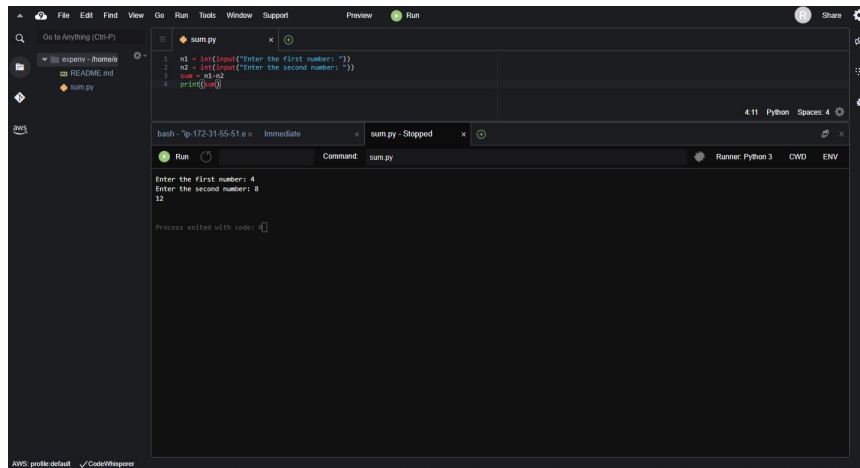
30 minutes

Network settings Info

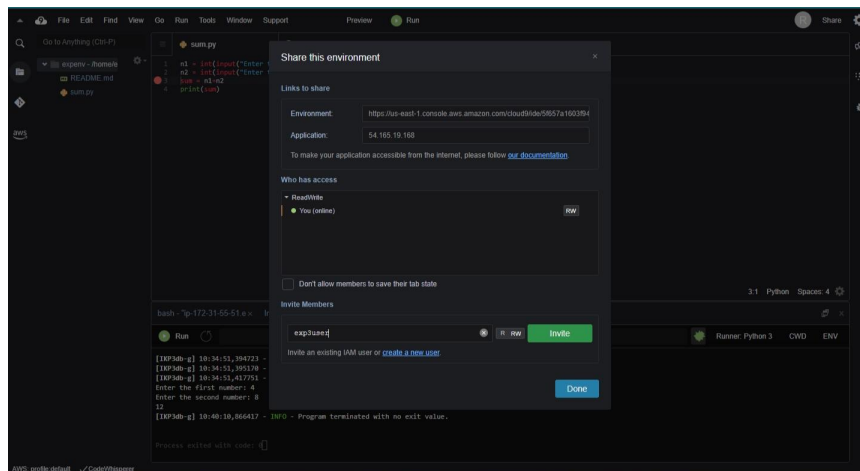


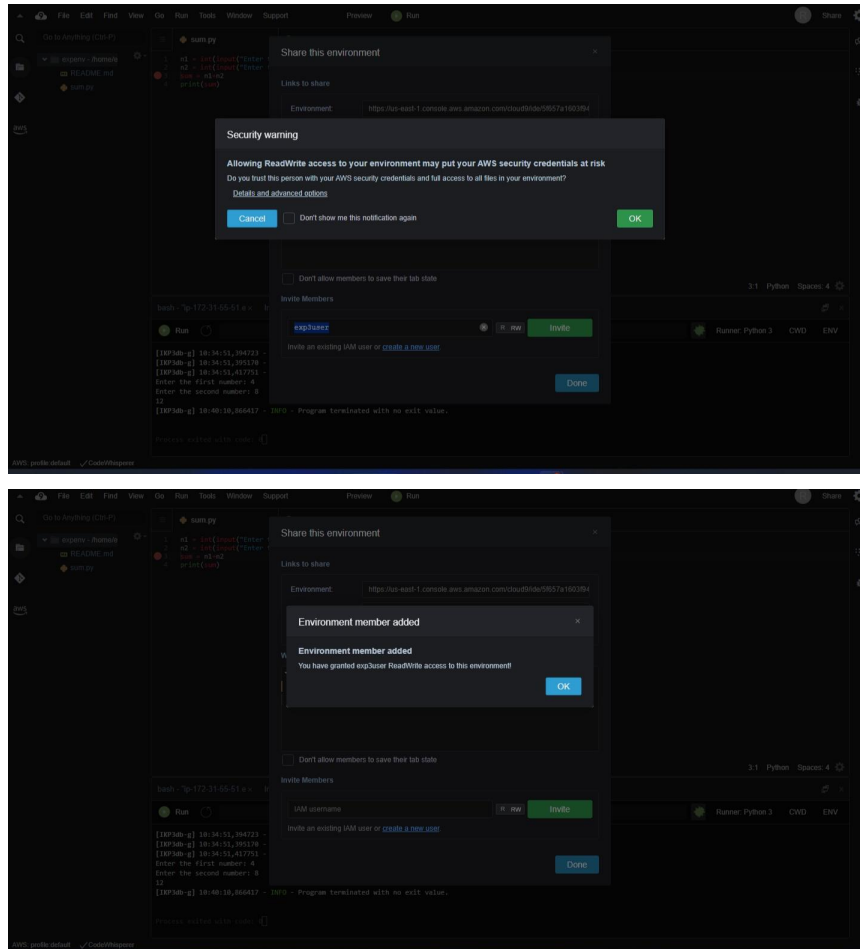
12. Click on File - choose from template, select html file to collaborate.

13. Edit html file and save it

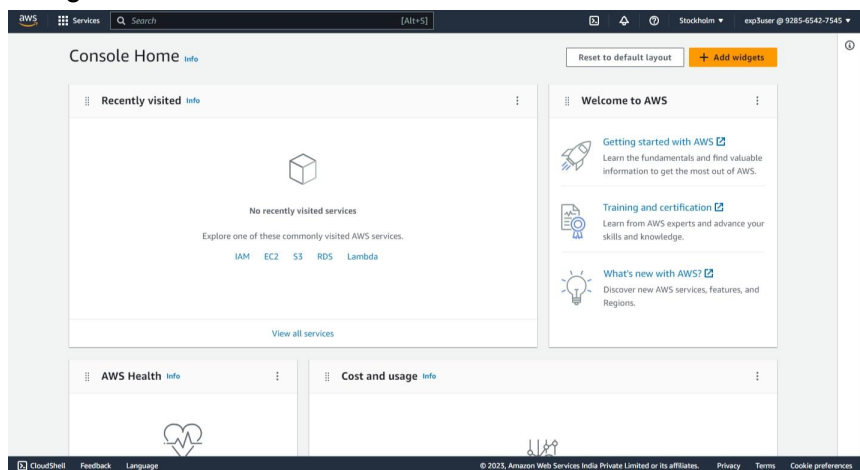


14. Share this file to collaborate with other members of the team. Click on Share option on Top Right Pane, write username which you created in IAM , check the accesses given (RW) and send Invite. Click on Done. Click OK for Security warning.

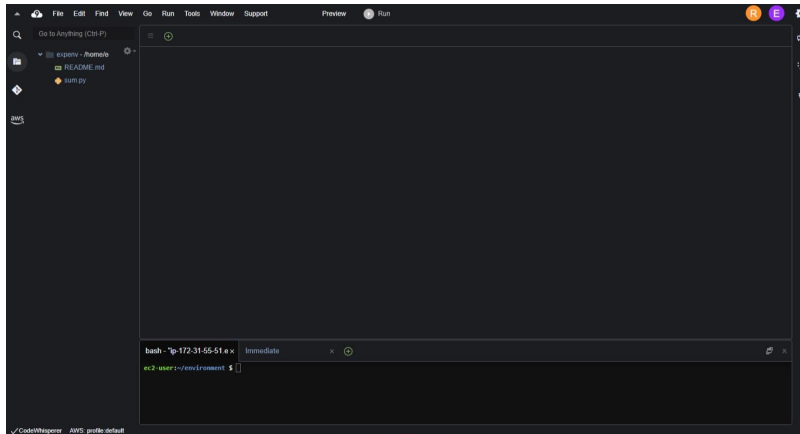




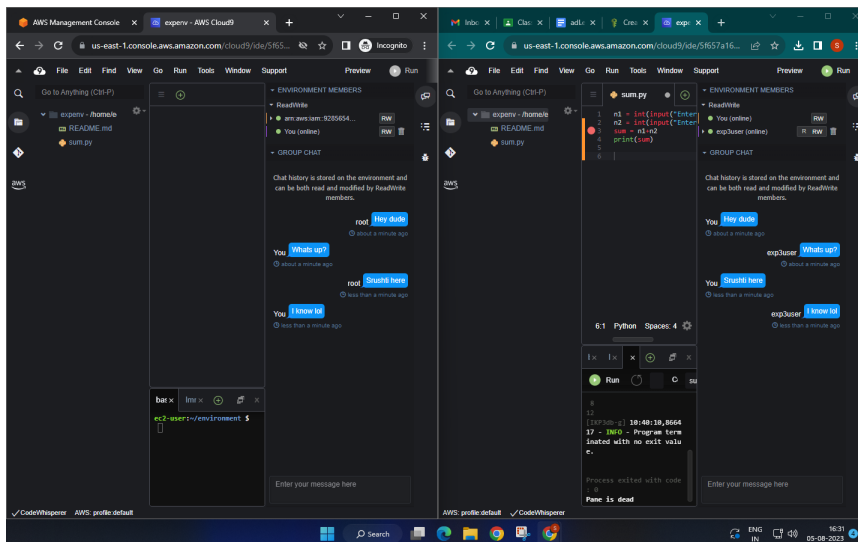
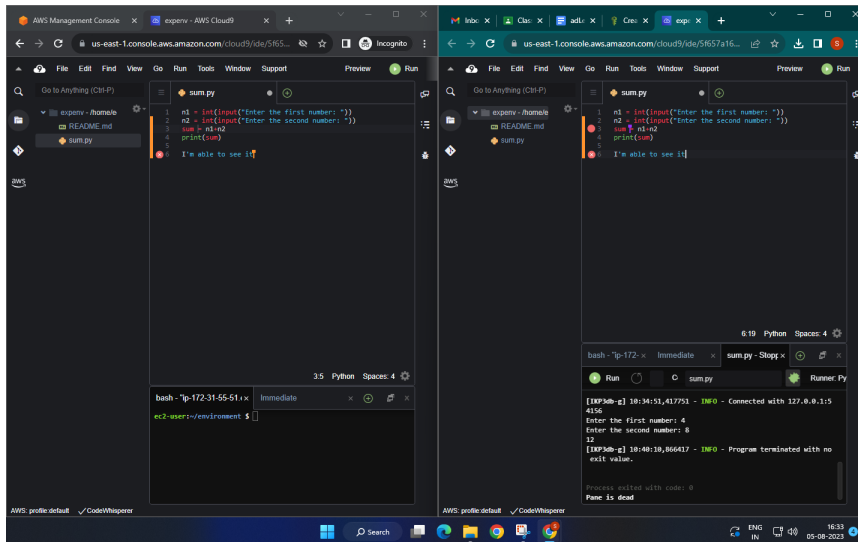
15. Now Open your Browser's Incognito Window and login with the IAM user which you configure to collaborate.



16. After Successful login with IAM user open Cloud9 service from dashboard services and click on shared with you environment to collaborchats



17. Click on Open IDE you will see same interface as your other member have to collaborate in real time, also you all within team can do group chats



18. You can also explore settings where you can update permissions of your teammates as from RW to R only or you can remove users too.

