

Assignment 2

Aim : To make and launch AWS Cloud9 IDE.

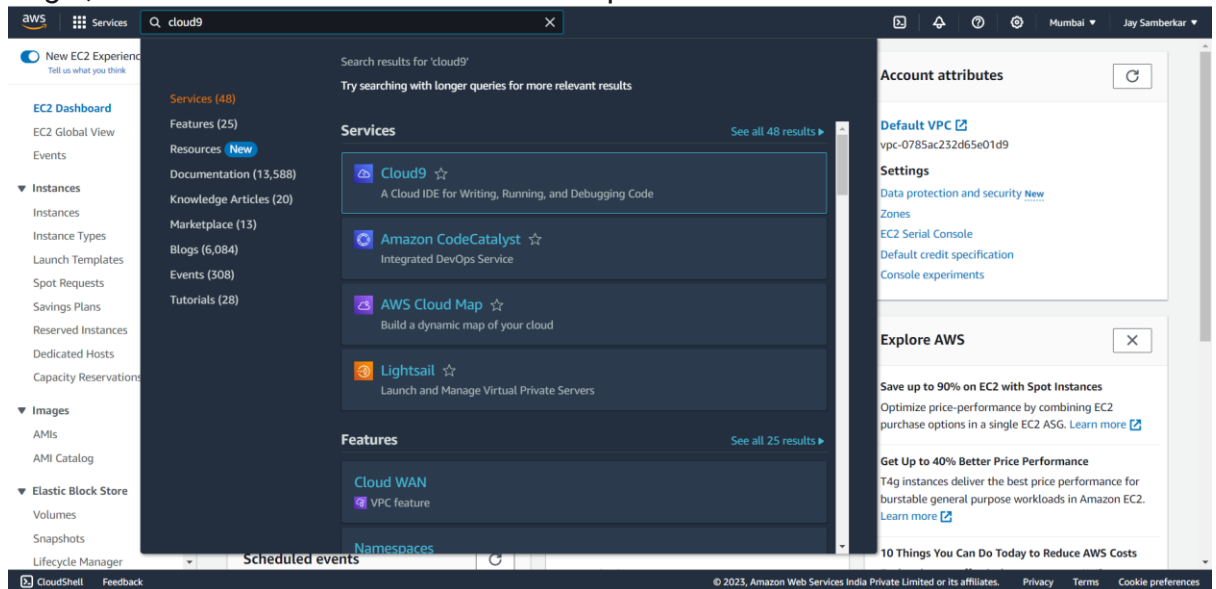
Theory :

AWS Cloud9, originally Cloud9 IDE before its acquisition by Amazon Web Services, revolutionized the development landscape by providing developers with a cloud-based integrated development environment (IDE) that facilitated coding, debugging, and running code with remarkable ease and efficiency.

The inclusion of a terminal within the IDE allowed developers to execute commands and run server-side code directly from the cloud. Beyond its accessibility and flexibility, AWS Cloud9 prioritized data security and scalability, ensuring a reliable and safe environment for businesses and individual developers seeking cutting-edge cloud-based development solutions.

Steps :

1. Login, Search Cloud9 and select the first option.



2. Fill in the name and description. Then scroll down and click on Create an Environment.

Create environment [info](#)

Details

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

Description - optional
Lab assignment 2
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](#)

3. Open the environment and wait for the Cloud9 IDE to launch

AWS Cloud9 [Documentation](#)

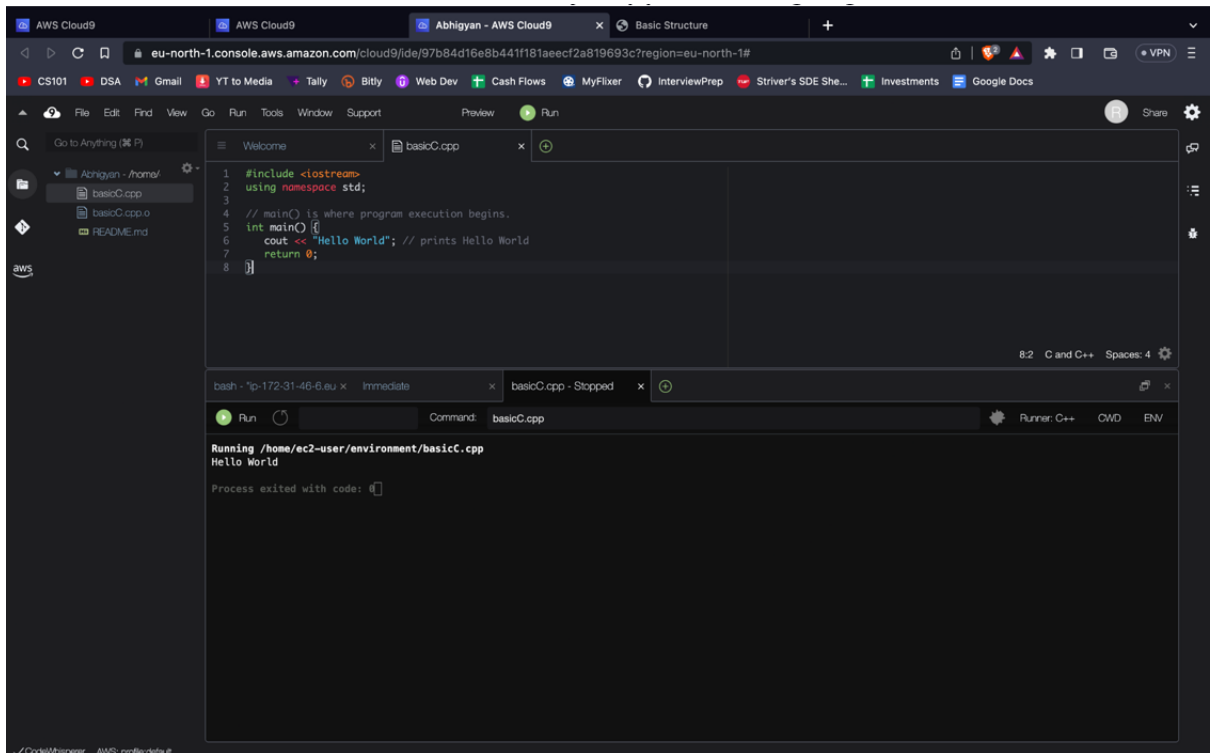
My environments
Shared with me
All account environments

Environments (1) [Delete](#) [View details](#) [Open in Cloud9](#) [Create environment](#)

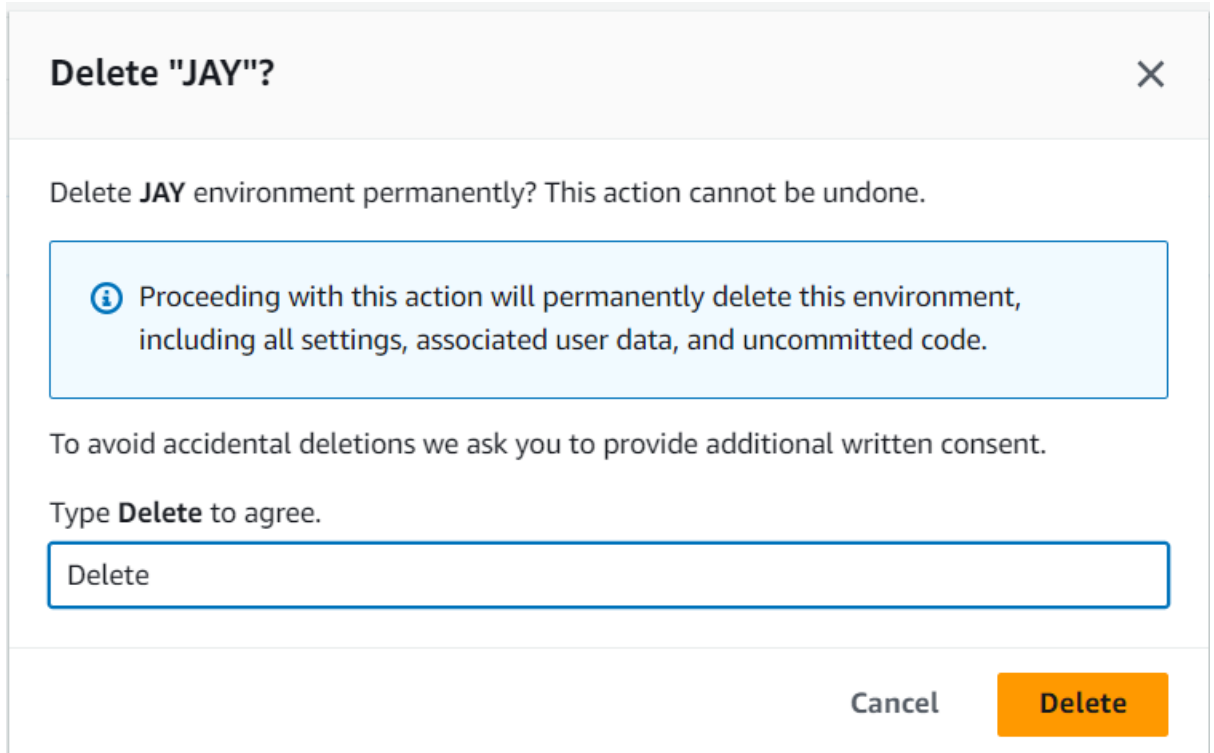
My environments

	Name	Cloud9 IDE	Environment type	Connection	Permission	Owner ARN
<input type="radio"/>	JAY	Open	EC2 instance	AWS Systems Manager (SSM)	Owner	am:aws:iam::644557152358:root

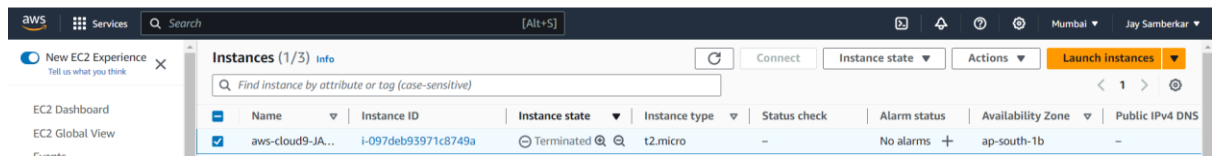
4. Create a new file, write some code in any supported language and execute it.



5.Go back to Dashboard,then click on the delete button, type in Delete and Delete the environment.



6.Lastly, head over to your EC2 instances and terminate the instance related to your cloud9 environment.



Lab Outcome:
L01, L02 mapped.

Conclusion :
We understood the benefits of Cloud Infrastructure and Setup AWS Cloud9 IDE,
Launched AWS Cloud9 IDE and performed Collaboration Demonstration.