

## ADVANCE DEVOPS LAB ASSIGNMENT NO-02

**Aim-** To create a Cloud9 Environment.

**Theory-** Cloud9 IDE is an Online IDE, published as open source from version 2.0, until version 3.0. It supports multiple programming languages, including C, C++, PHP, Ruby, Perl, Python, JavaScript with Node.js, and Go. It is written almost entirely in JavaScript, and uses Node.js on the back-end.

### **STEPS-**

LOG IN TO YOUR AWS ACCOUNT,

SEARCH FOR CLOUD 9 IN THE SEARCH BAR.



CLICK ON CREATE ENVIRONMNET,

NAME THE ENVIRONMENT

eu-north-1.console.aws.amazon.com/cloud9/control/home?region=eu-north-1#/create/

## Create environment [Info](#)

**Details**

**Name**  
shreyab  
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 Amazon Linux 2 AMI is the default instance type for Cloud9 environments.

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Now click on next step.

**AWS root account login detected**  
We do not recommend using your AWS root account to create or work with environments. Use an IAM user instead. This is an AWS security best practice. For more information, see [Setting Up to Use AWS Cloud9](#).

AWS Cloud9 > Environments > Create environment

## Configure settings

**Environment settings**

**Environment type** [Info](#)  
Run your environment in a new EC2 instance or an existing server. With EC2 instances, you can connect directly through Secure Shell (SSH) or connect via AWS Systems Manager (without opening inbound ports).

☒ **Create a new EC2 instance for environment (direct access)**  
Launch a new instance in this region that your environment can access directly via SSH.

☐ **Create a new no-ingress EC2 instance for environment (access via Systems Manager)**  
Launch a new instance in this region that your environment can access through Systems Manager.

☐ **Create and run in remote server (SSH connection)**  
Configure the secure connection to the remote server for your environment.

**Instance type**  
☒ **t3.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-sized web projects.

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

☐ **Other instance type**  
Select an instance type.

**Platform**  
☒ **Amazon Linux 2 (recommended)**

☐ **Amazon Linux AMI**

☐ **Ubuntu Server 18.04 LTS**

**Cost-saving setting**  
Choose a predetermined amount of time to auto-hibernate your environment and prevent unnecessary charges. We recommend a hibernation settings of half an hour of no activity to maximize savings.

**IAM role**  
AWS Cloud9 creates a service-linked role for you. This allows AWS Cloud9 to call other AWS services on your behalf. You can delete the role from the AWS IAM console once you no longer have any AWS Cloud9 environments. [Learn more](#)

**Network settings (advanced)**

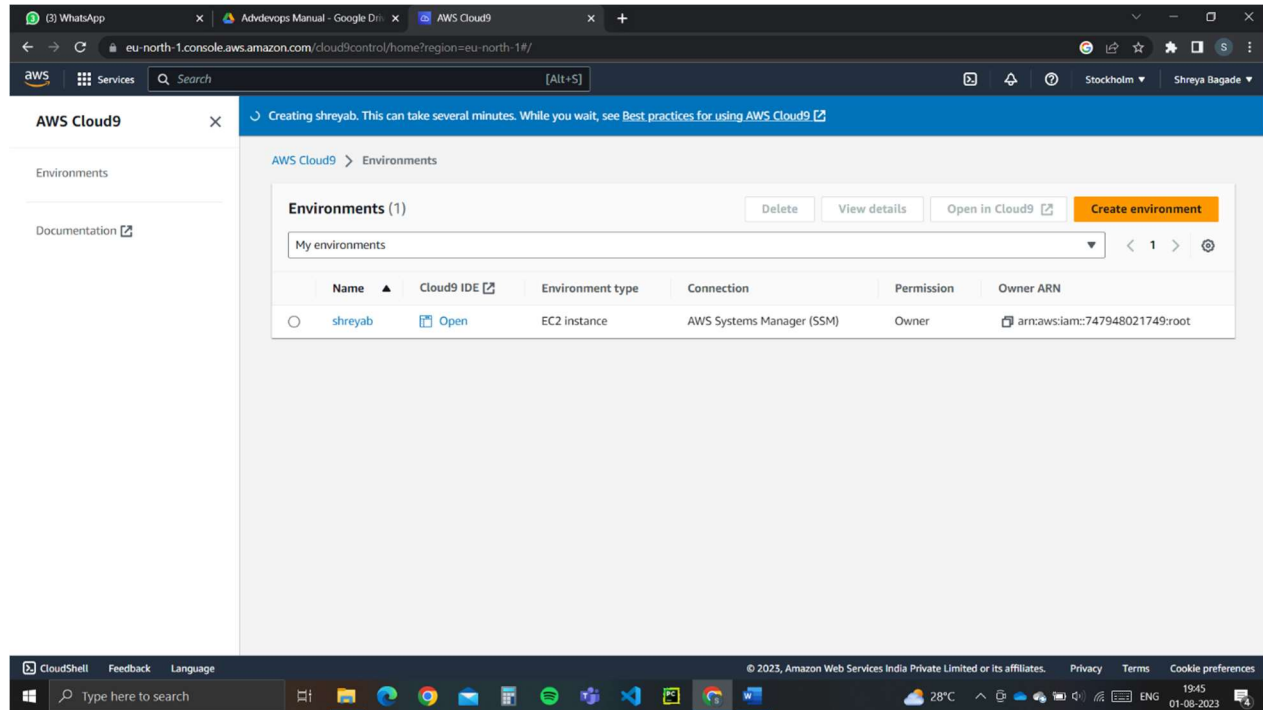
No tags associated with the resource.

[Add new tag](#)

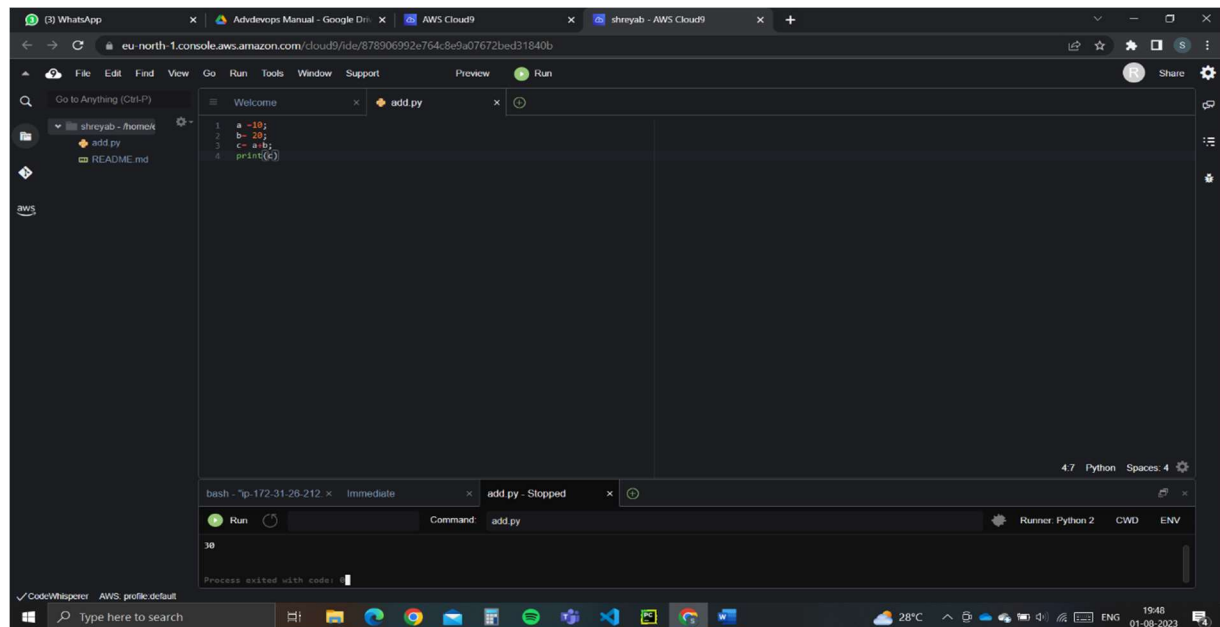
You can add 50 more tags.

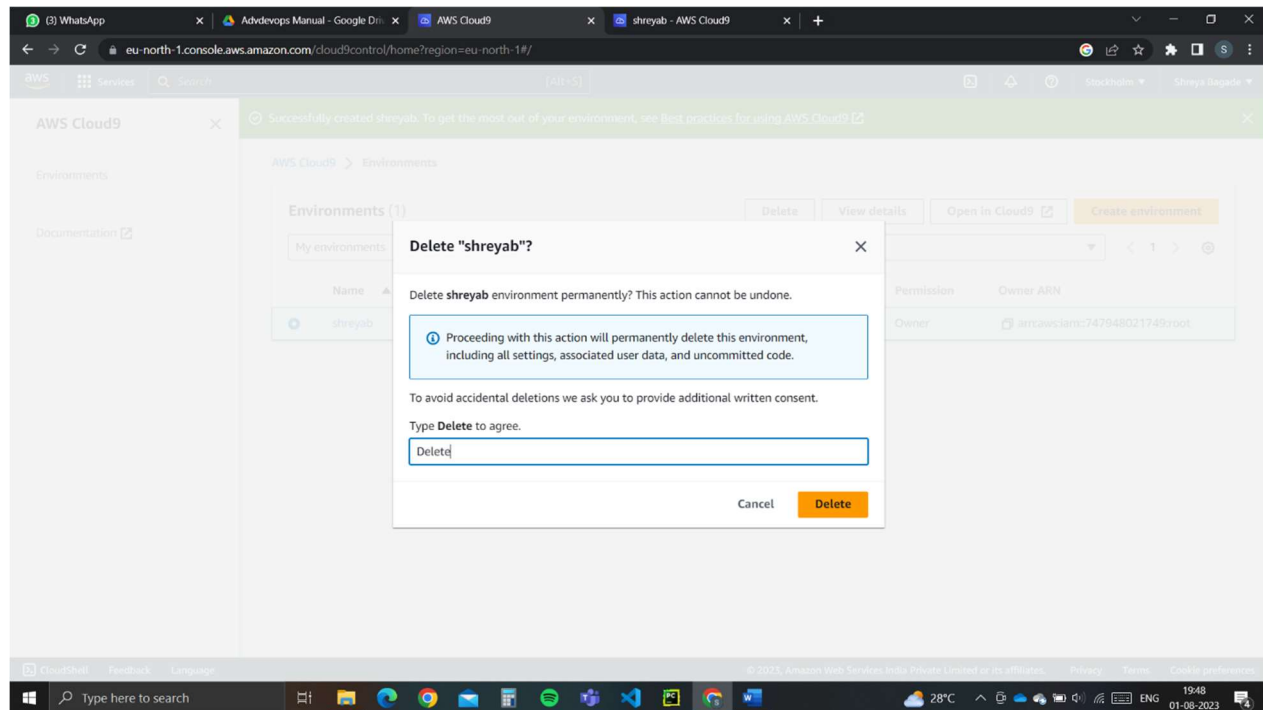
[Cancel](#) [Previous step](#) [Next step](#)

Again, click on Next Step,  
Now click on Create Environment.



Now select any coding language and perform any operation via a code. Shown below.





**Conclusion** – Hence learned and implemented steps to Create an Cloud9 environment.

