



## NUTAN COLLEGE OF ENGINEERING & RESEARCH (NCER)

**Department of Computer Science & Engineering (CSE)** 

## Experiment No. 3

### Title:

Working in Cloud9 to demonstrate different language.

## **Objective:**

To learn Platform as service (PaaS) using Free trial of Cloud9 in AWS, because firstly it was an independently platform now it is integrated with AWS.

### Tools used:

Internet, AWS, EC2, Cloud9

## **Prerequisite:**

Understanding of Platform as service in Service model of cloud computing

## Theory:

AWS Cloud9 is an integrated development environment, or *IDE*.

The AWS Cloud9 IDE offers a rich code-editing experience with support for several programming languages and runtime debuggers, and a built-in terminal. It contains a collection of tools that you use to code, build, run, test, and debug software, and helps you release software to the cloud.

You access the AWS Cloud9 IDE through a web browser. You can configure the IDE to your preferences. You can switch color themes, bind shortcut keys, enable programming language-specific syntax coloring and code formatting, and more.

An AWS Cloud9 environment is a place where you store your project's files and where you run the tools to develop your applications.

Using the AWS Cloud9 IDE, you can:

- Store your project's files locally on the instance or server.
- Clone a remote code repository—such as a repo in AWS Code Commit—into yourenvironment.
- Work with a combination of local and cloned files in the environment.





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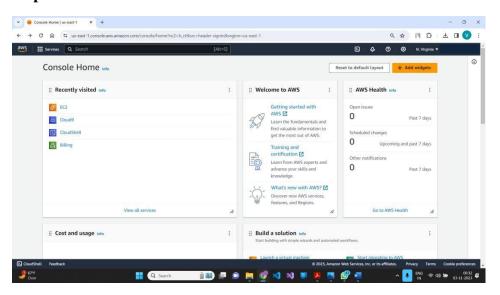
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# Steps to setting up the cloud9

## Step 1. Sign in to the Console

https://aws.amazon.com/console/

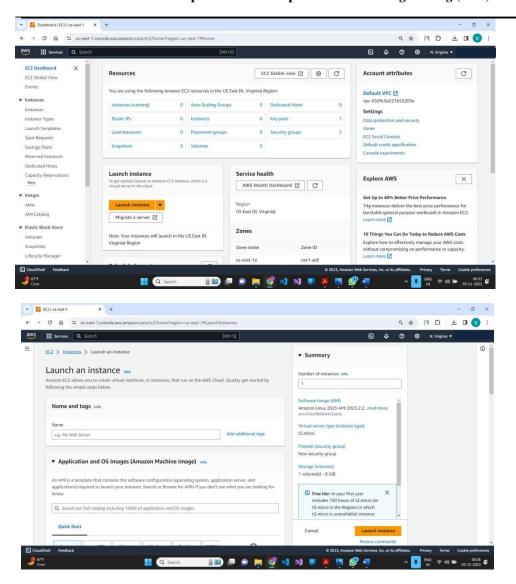
## Step 2. Create EC2 instance and Launch it







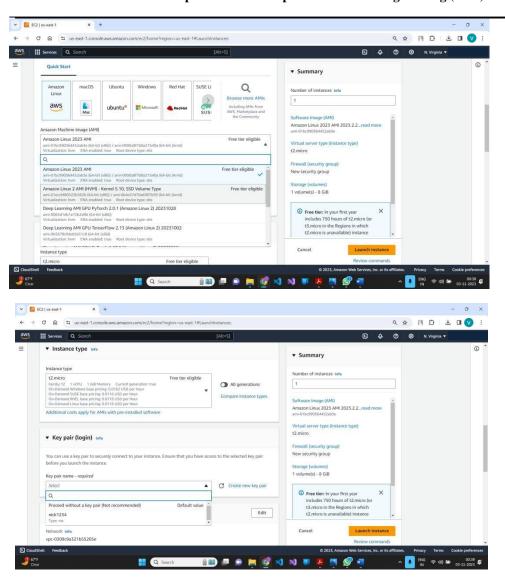
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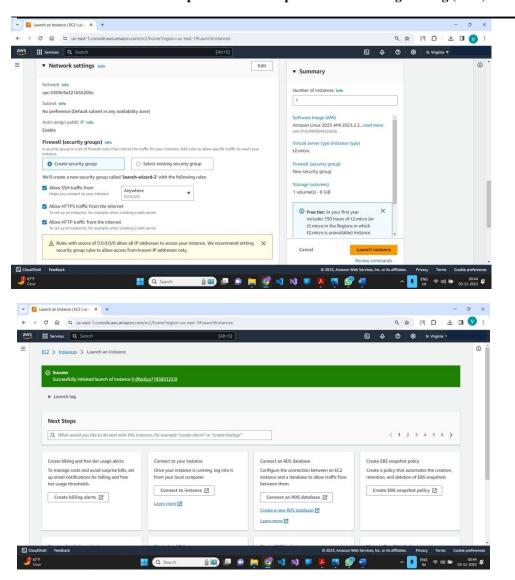
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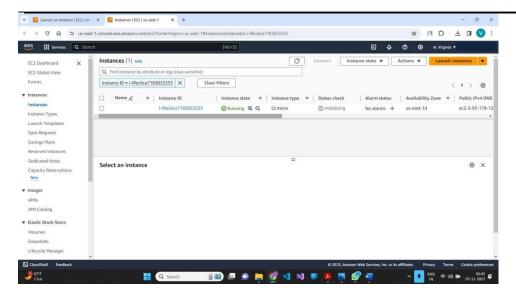




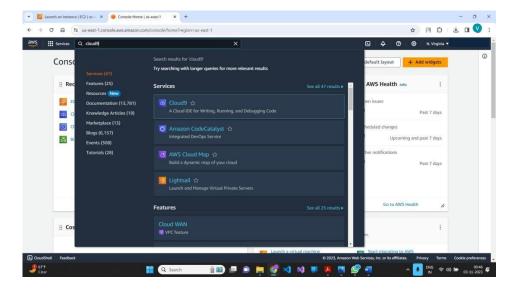


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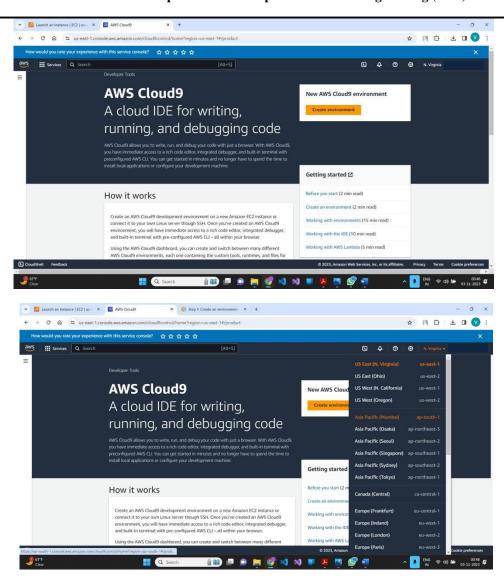
## Step 3 – Now we create instance and launch it, Now its time for Cloud9's setup







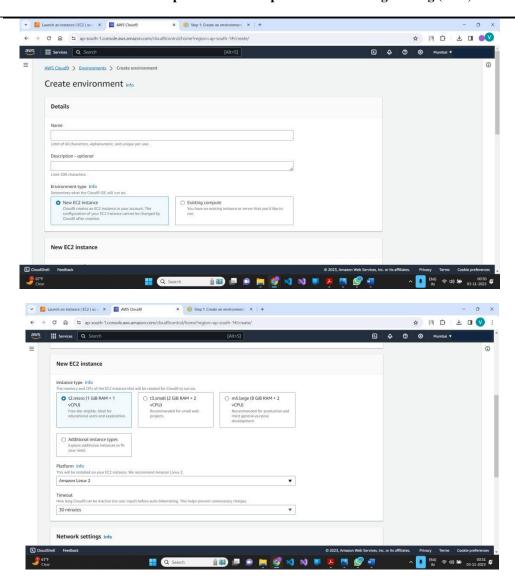
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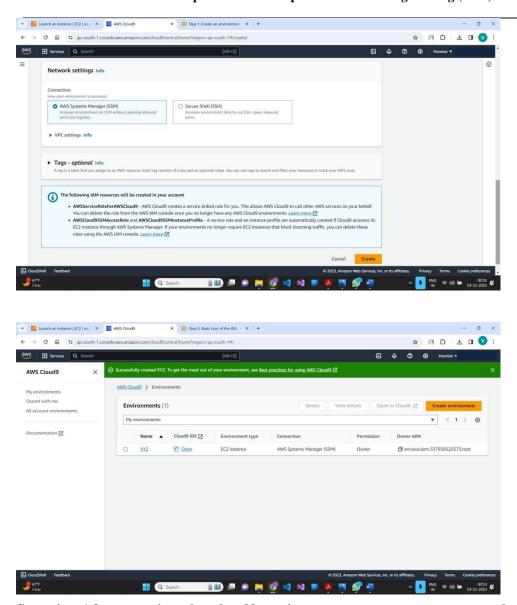
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Step 4 – After creating the cloud9 environment now we can start code in theenvironment

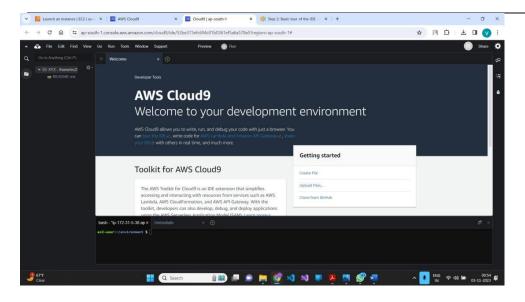






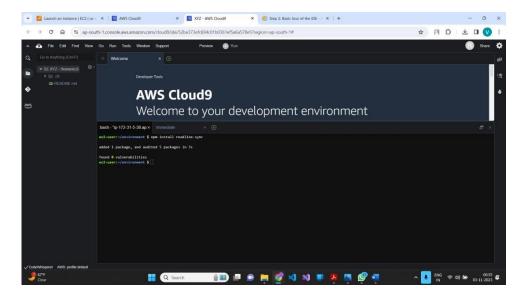
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## Step 5. – Successfully Account is created

npm install readline-sync



## Step 6. – Write the code in editor

Javacript code: var readline = require('readline-sync');





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```
var i = 10; var
input;
console.log("Hello Cloud9!");
console.log("i is " + i);
do {
input = readline.question("Enter a number (or 'q' to quit): ");if
(input === 'q') {
console.log('OK, exiting.')
}
else{
i += Number(input); console.log("i
is now "+i);
}
} while (input != 'q'); console.log("Goodbye!");
                                                              * 4 5 F G V
```



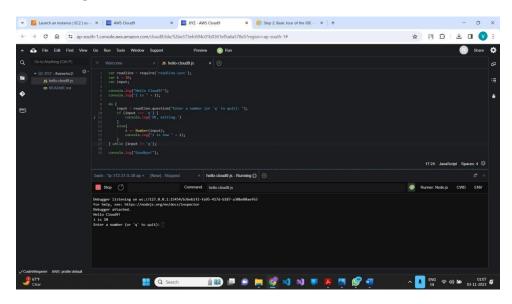


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## Step 6. – Save the file and Run the code

- 1. Click on Run
- 2. Run Configuration
- 3. New Configuration



In cloud9 you can write code in any languages like C++, C, python and many more.

## **Conclusion:**

Through this exercise, i have gained hands-on experience with Cloud9, a cloud-based integrated development environment (IDE) that provides a platform to write, run, and debug code in different programming languages. We have explored how Cloud9, now integrated with AWS, offers a robust Platform as a Service (PaaS) solution. This practical understanding of PaaS, a key service model in cloud computing, will be invaluable in our future endeavors in the field of cloud computing.