

NAME – AMAN SINGH
BATCH – T23, ROLL NO – 128

Assignment 2

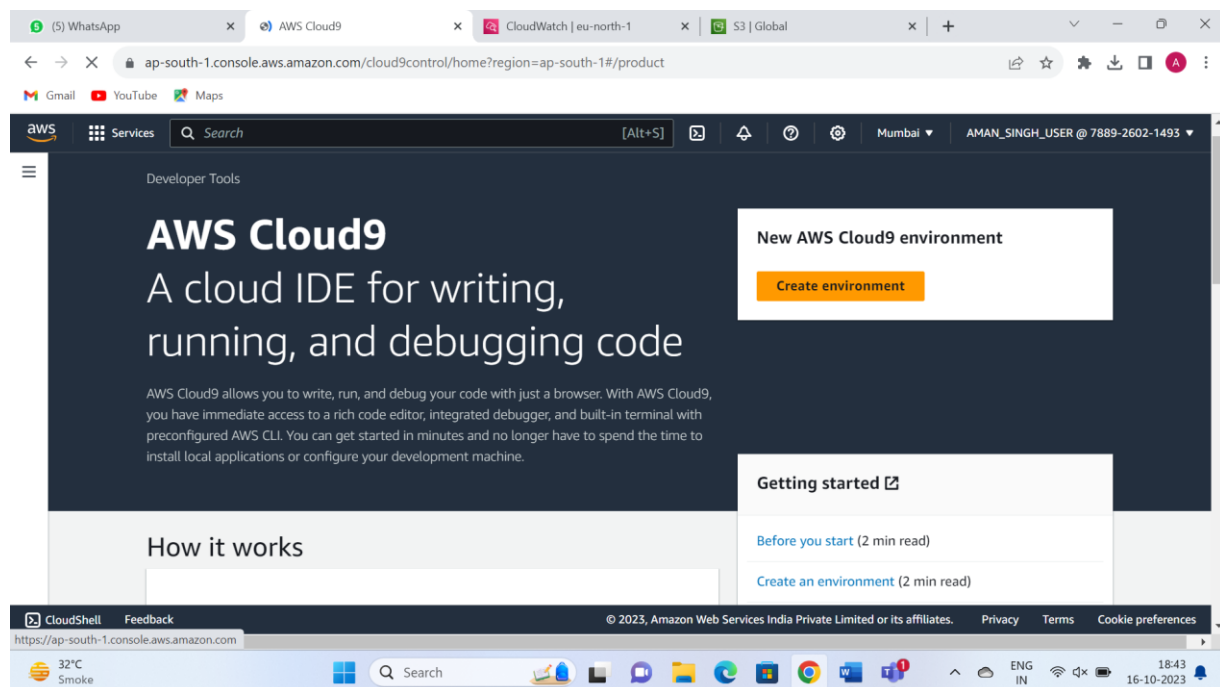
AIM- To create a Cloud9 Environment.

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-

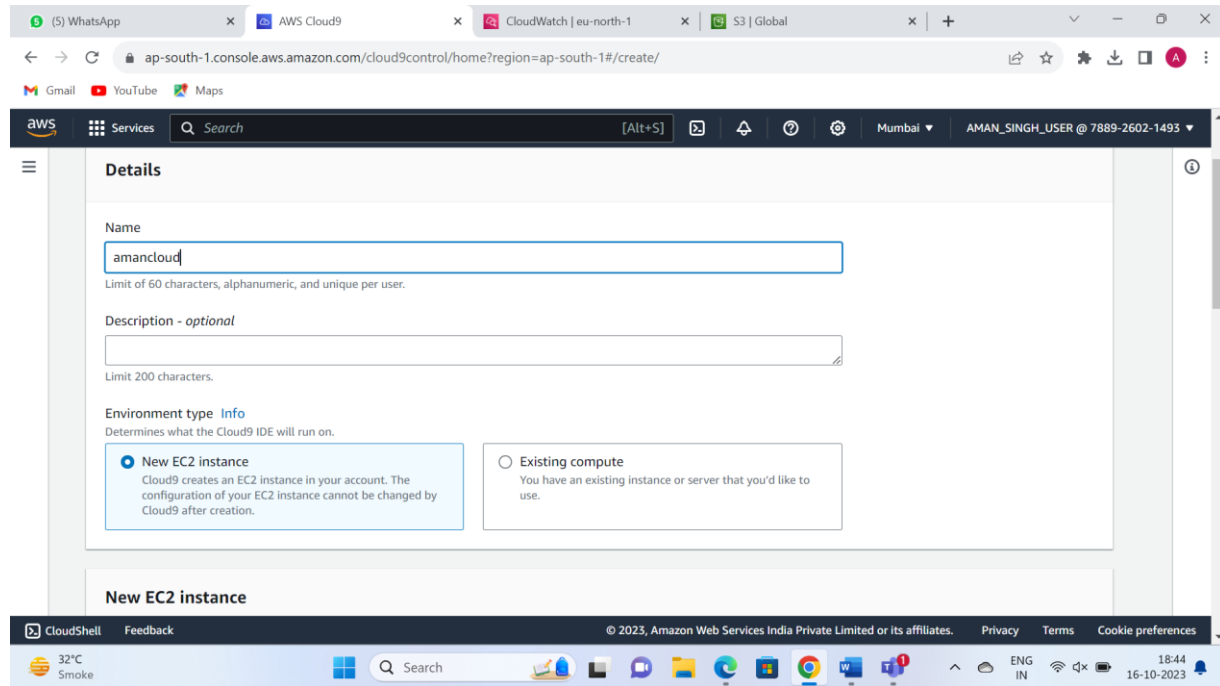
LOG IN TO YOUR AWS ACCOUNT,

SEARCH FOR CLOUD 9 IN THE SEARCH BAR



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CLICK ON CREATE ENVIRONMNET,
NAME THE ENVIRONMNET



The screenshot shows the AWS Cloud9 console in the 'ap-south-1' region. The 'Details' page for creating a new environment is displayed. The 'Name' field contains 'amancloud'. The 'Description - optional' field is empty. Under 'Environment type', 'New EC2 instance' is selected, and 'Existing compute' is unselected. The 'New EC2 instance' section is expanded, showing the title 'New EC2 instance'.

Details

Name
amancloud
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.

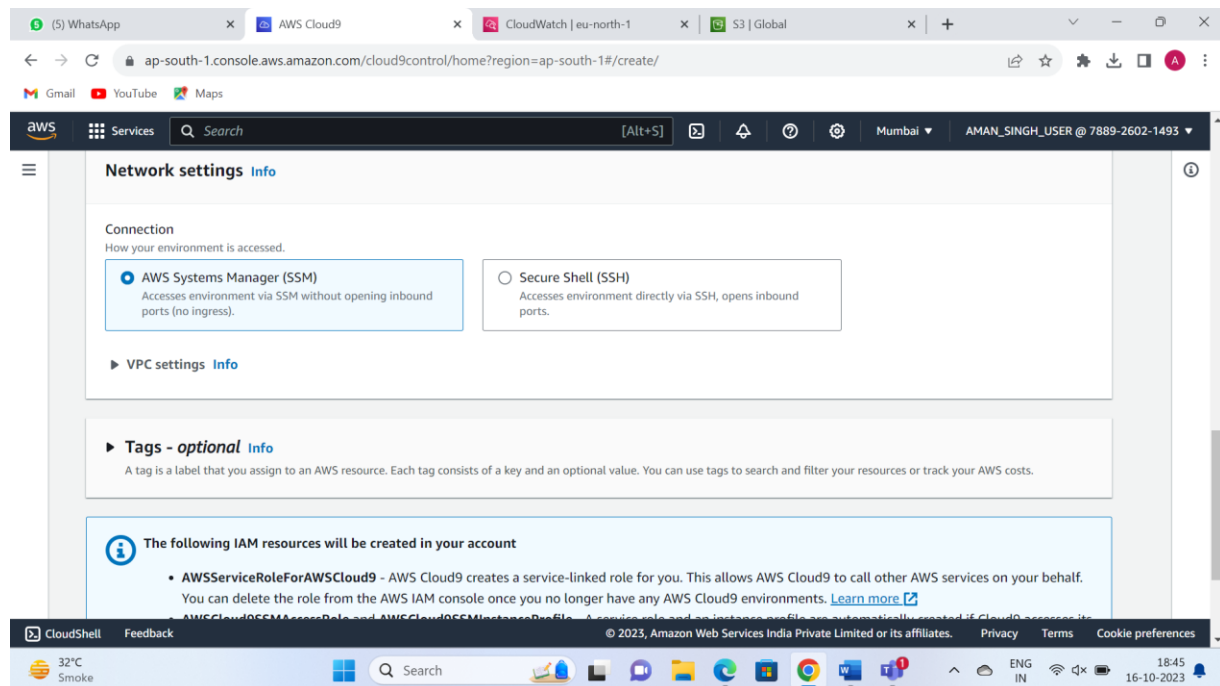
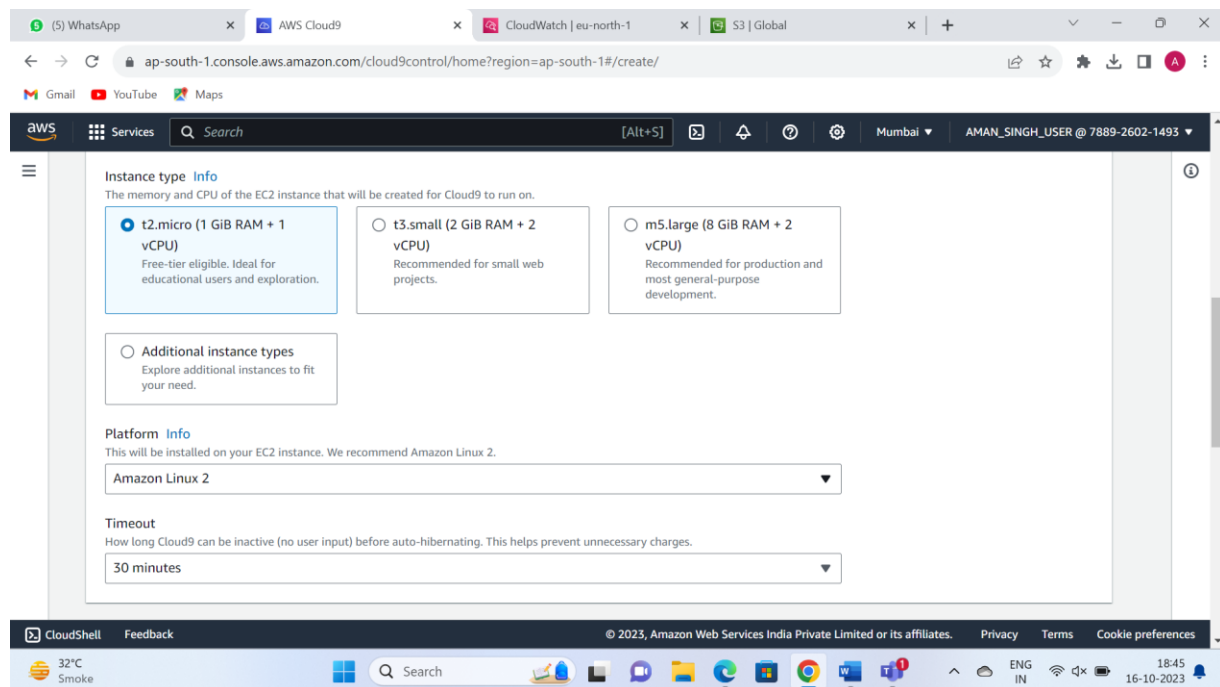
☒ New EC2 instance
Cloud9 creates an EC2 instance in your account. The configuration of your EC2 instance cannot be changed by Cloud9 after creation.

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

New EC2 instance

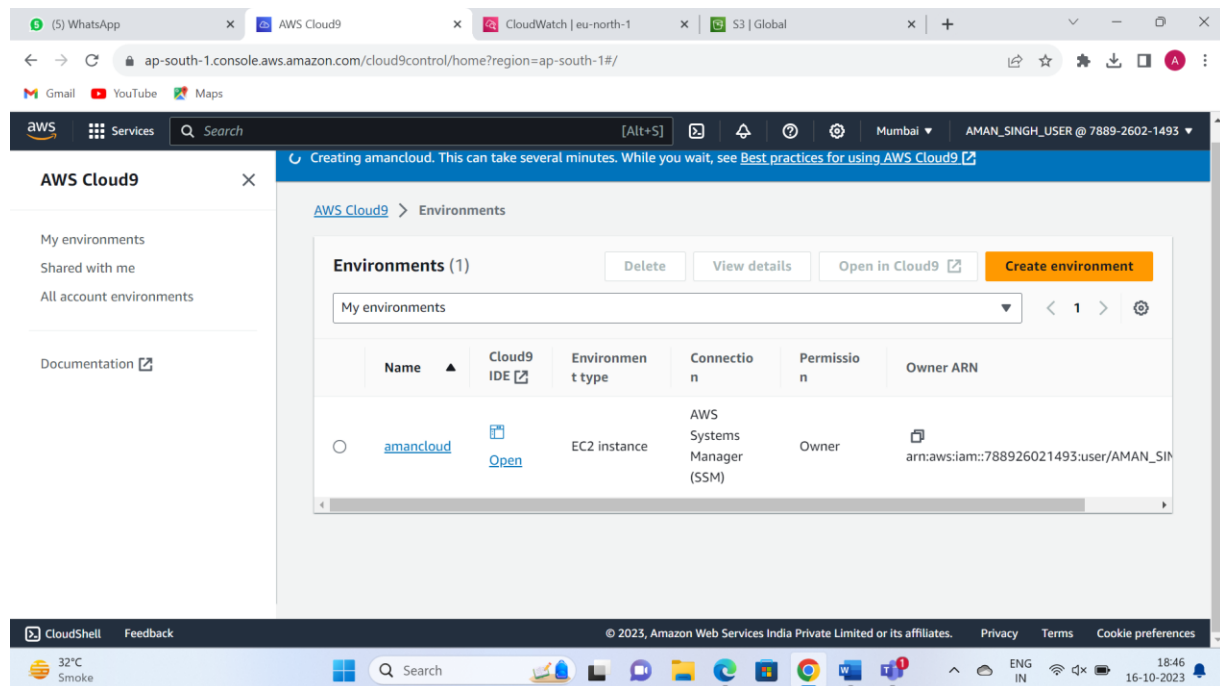
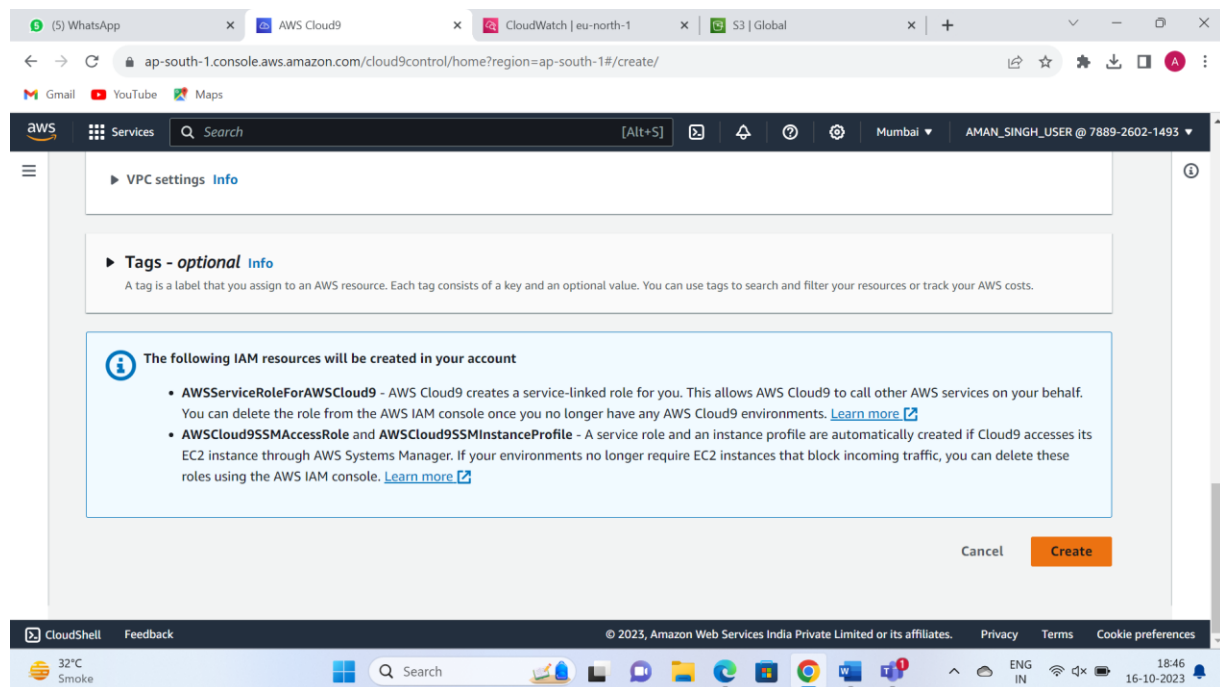
Now click on next step.

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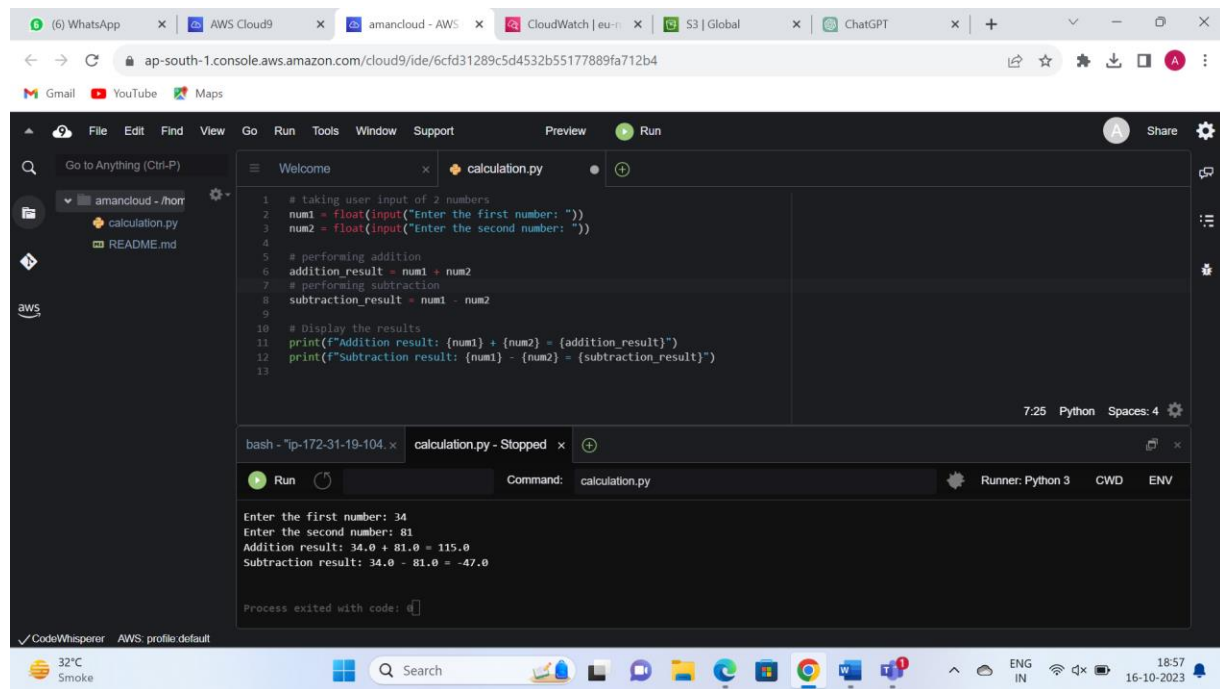
click on Create

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



The screenshot displays the AWS Cloud9 IDE interface. The top browser window shows the URL `ap-south-1.console.aws.amazon.com/cloud9/ide/6cfd31289c5d4532b55177889fa712b4`. The IDE editor contains a file named `calculation.py` with the following Python code:

```
1 # taking user input of 2 numbers
2 num1 = float(input("Enter the first number: "))
3 num2 = float(input("Enter the second number: "))
4
5 # performing addition
6 addition_result = num1 + num2
7 # performing subtraction
8 subtraction_result = num1 - num2
9
10 # Display the results
11 print(f"Addition result: {num1} + {num2} = {addition_result}")
12 print(f"Subtraction result: {num1} - {num2} = {subtraction_result}")
13
```

Below the editor, the terminal window shows the command `python3 calculation.py` being executed. The output is as follows:

```
Enter the first number: 34
Enter the second number: 81
Addition result: 34.0 + 81.0 = 115.0
Subtraction result: 34.0 - 81.0 = -47.0
Process exited with code: 0
```

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