

Roll No.: 26

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Date: 11/08/2023

Assignments No. 2

Aim: To create a Cloud9 Environment.

Theory:

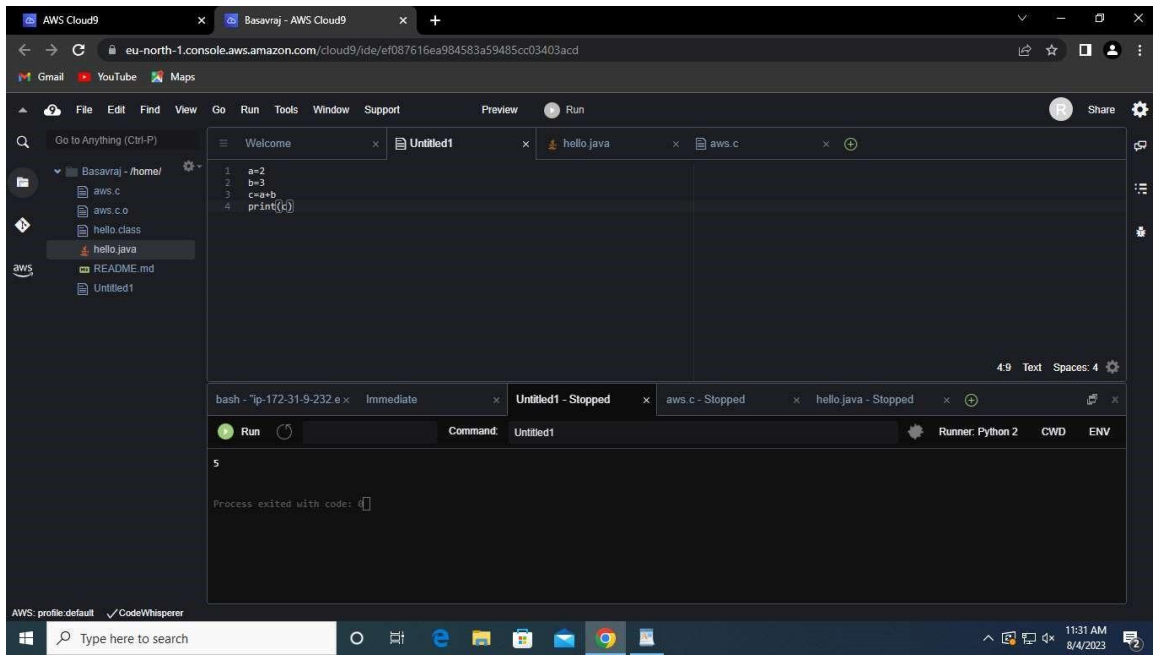
AWS Cloud9 is an integrated development environment, or IDE.

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.

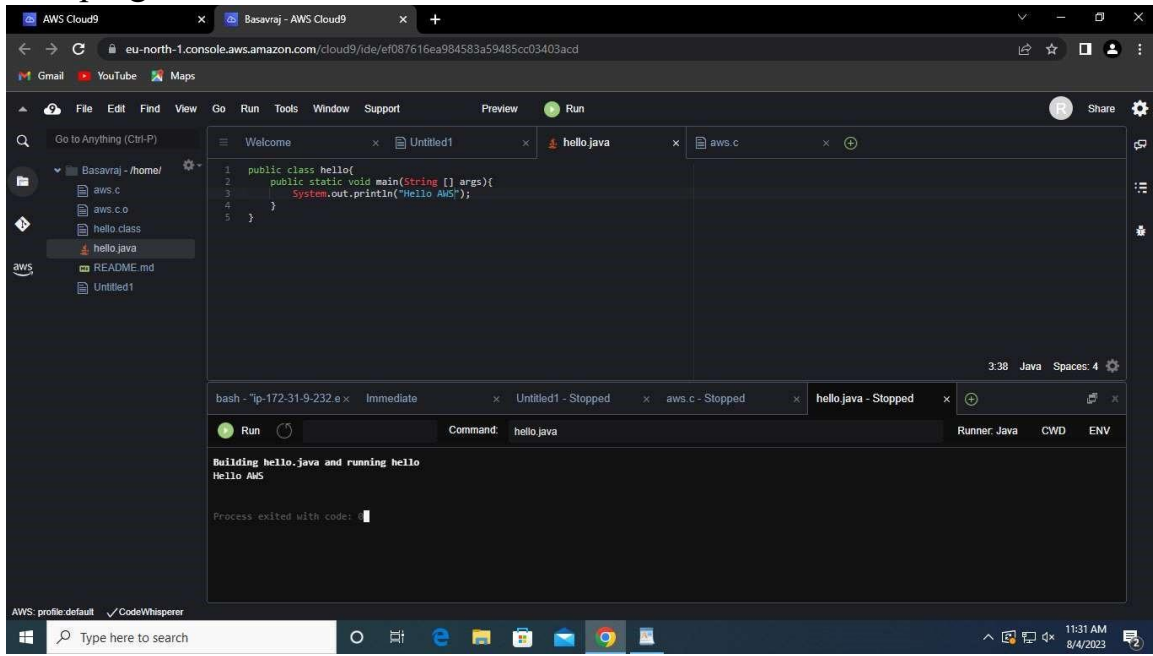
You access the AWS Cloud9 IDE through a web browser. You can configure the IDE to your preferences. You can switch color themes, bind shortcut keys, enable programming language-specific syntax coloring and code formatting, and more.

Output:

Python program-



Java program-



C program-

The screenshot displays the AWS Cloud9 IDE interface. The top menu bar includes File, Edit, Find, View, Go, Run, Tools, Window, and Support. The left sidebar shows a file explorer with a project structure including 'aws.c', 'aws.c.o', 'hello.class', 'hello.java', 'README.md', and 'Untitled1'. The main editor window shows a C program in 'aws.c' with the following code:

```
1 #include<stdio.h>
2
3 void main() {
4
5     int i;
6
7     printf("The first 10 natural numbers are:\n ");
8
9     for (i = 1; i <= 10; i++)
10     {
11         printf("%d\t", i);
12     }
13 }
```

Below the editor, the 'Run' tab is active, showing the command 'aws.c' and the output of the program:

```
Running /home/ec2-user/environment/aws.c
The first 10 natural numbers are:
1 2 3 4 5 6 7 8 9 10
Process exited with code: 0
```

The bottom status bar indicates the AWS profile is 'default' and CodeWhisperer is enabled. The Windows taskbar at the bottom shows the time as 11:31 AM on 8/4/2023.

Conclusion:

Hence learned and implemented steps to create an Cloud9 environment.