EXPERIMENT NO. 1

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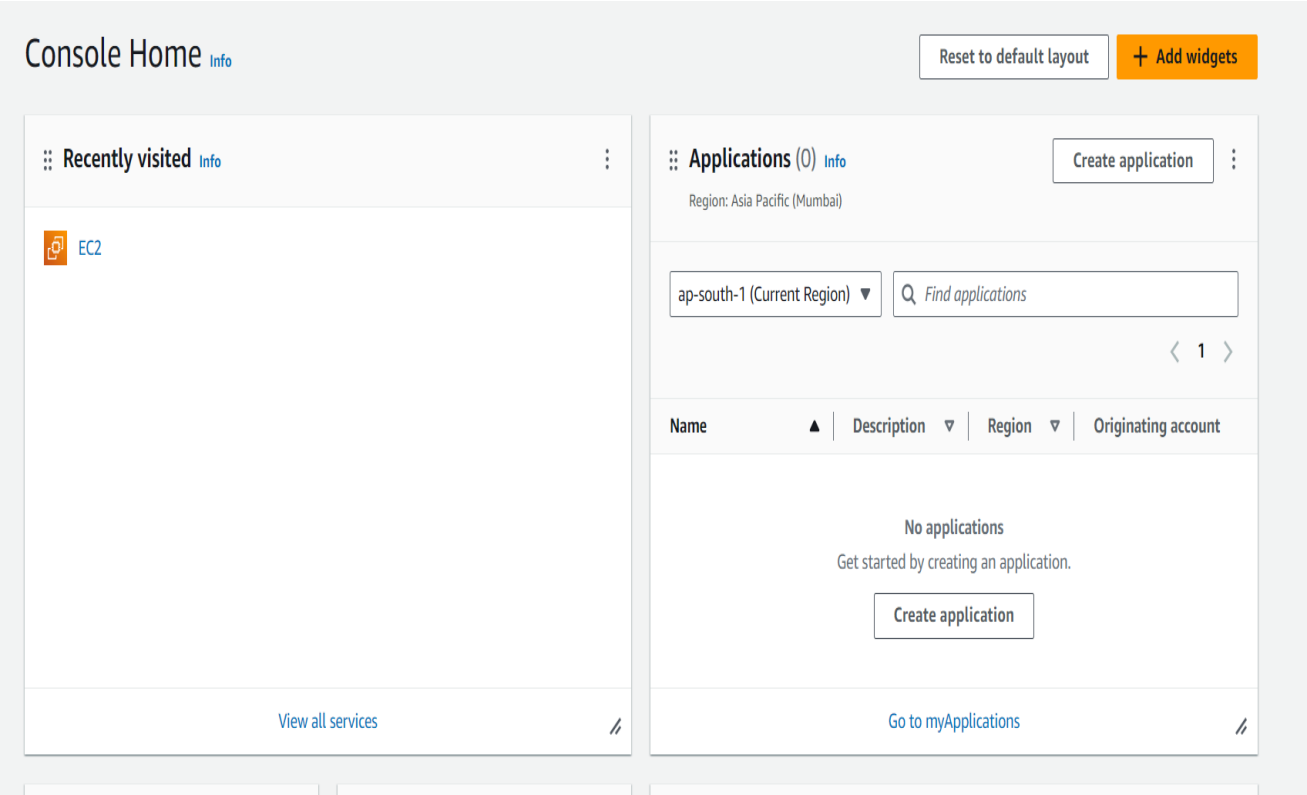
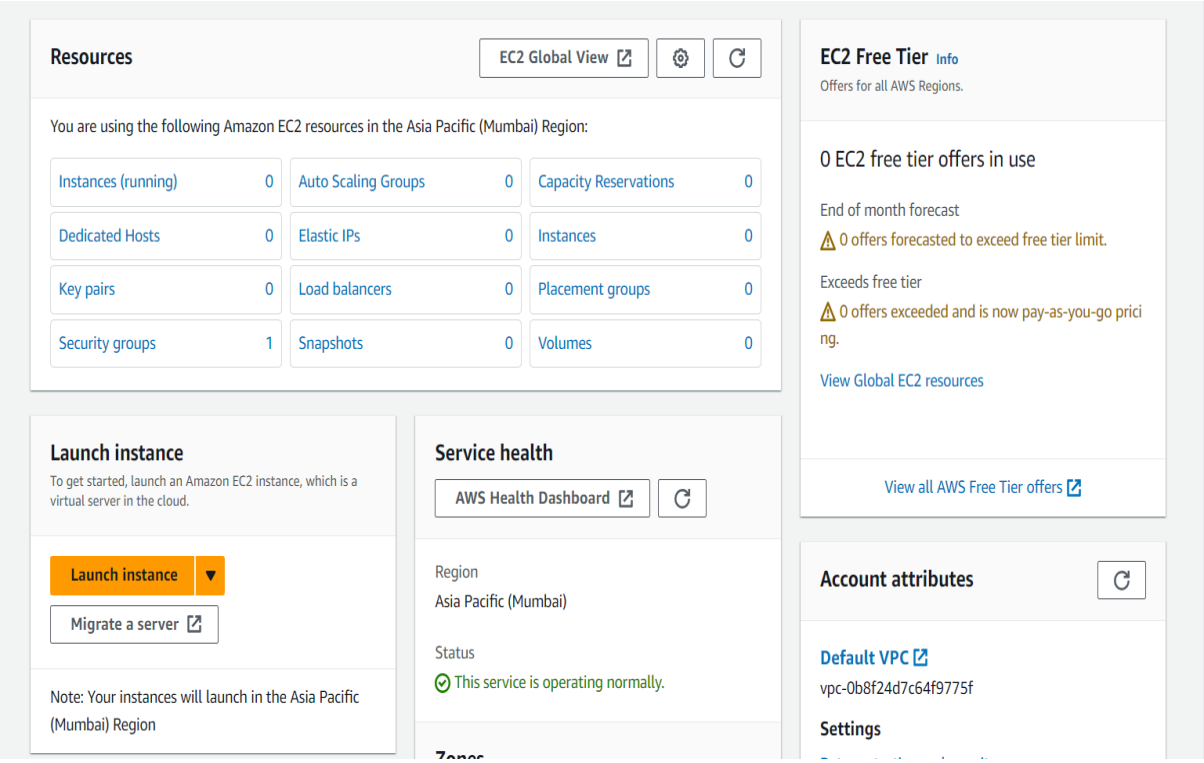
Aim : To understand the benefits of Cloud Infrastructure and Setup AWS Cloud9 IDE, Launch AWS Cloud9 IDE and Perform Collaboration Demonstration.

EC2 Instance Creation and static site hosting

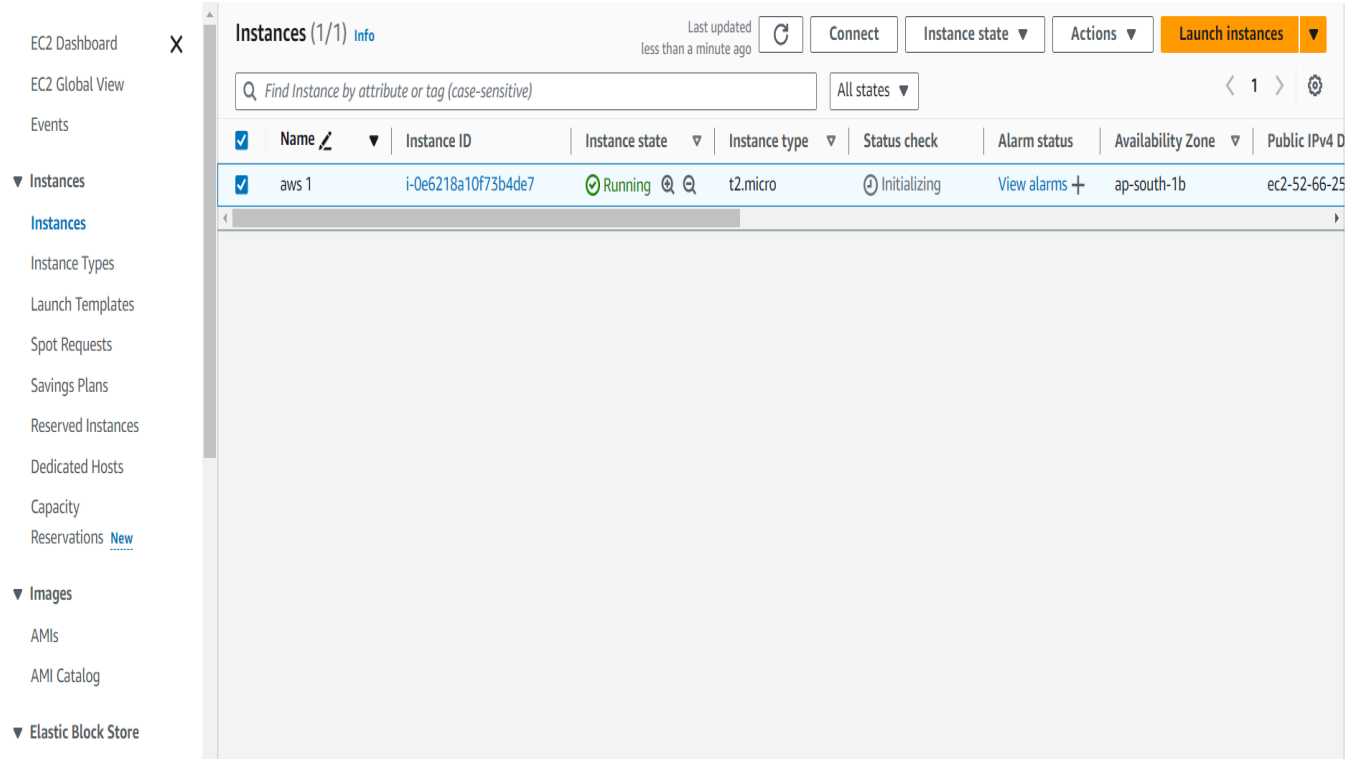
1. Login to your AWS account



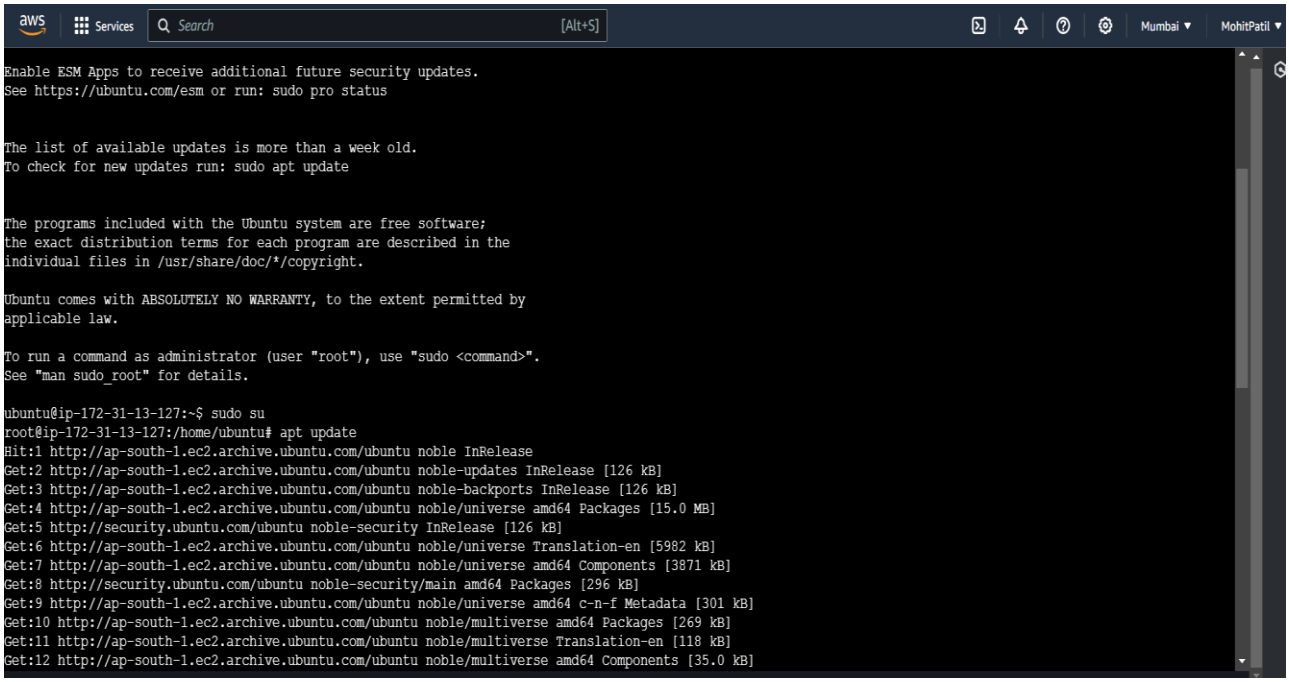
2. Click on EC2 and then create an instance by clicking on instances



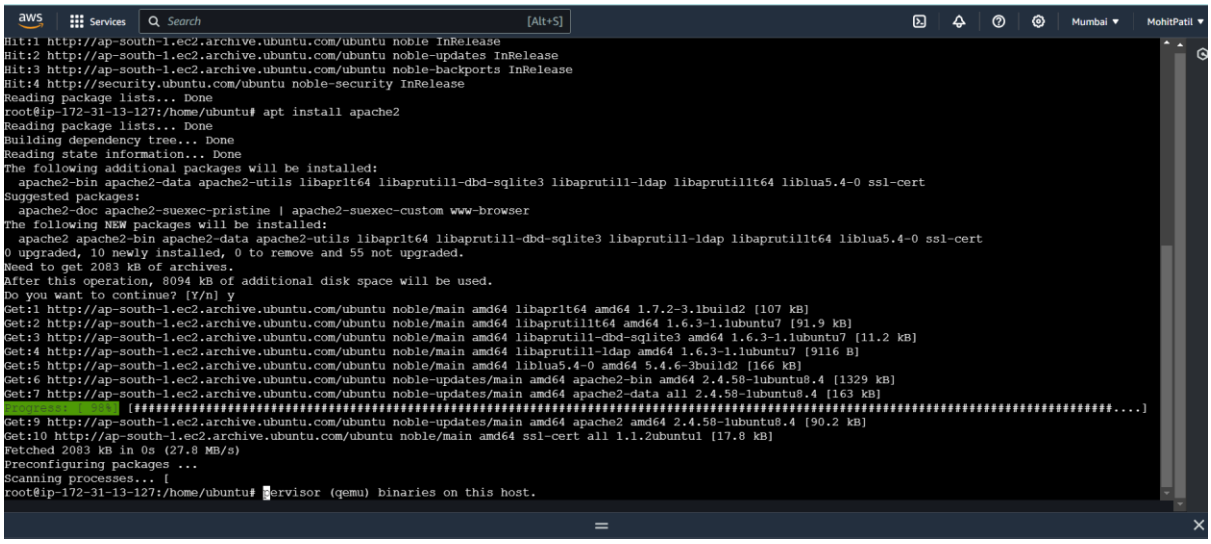
3. After an instance is created wait for it to come to Running state



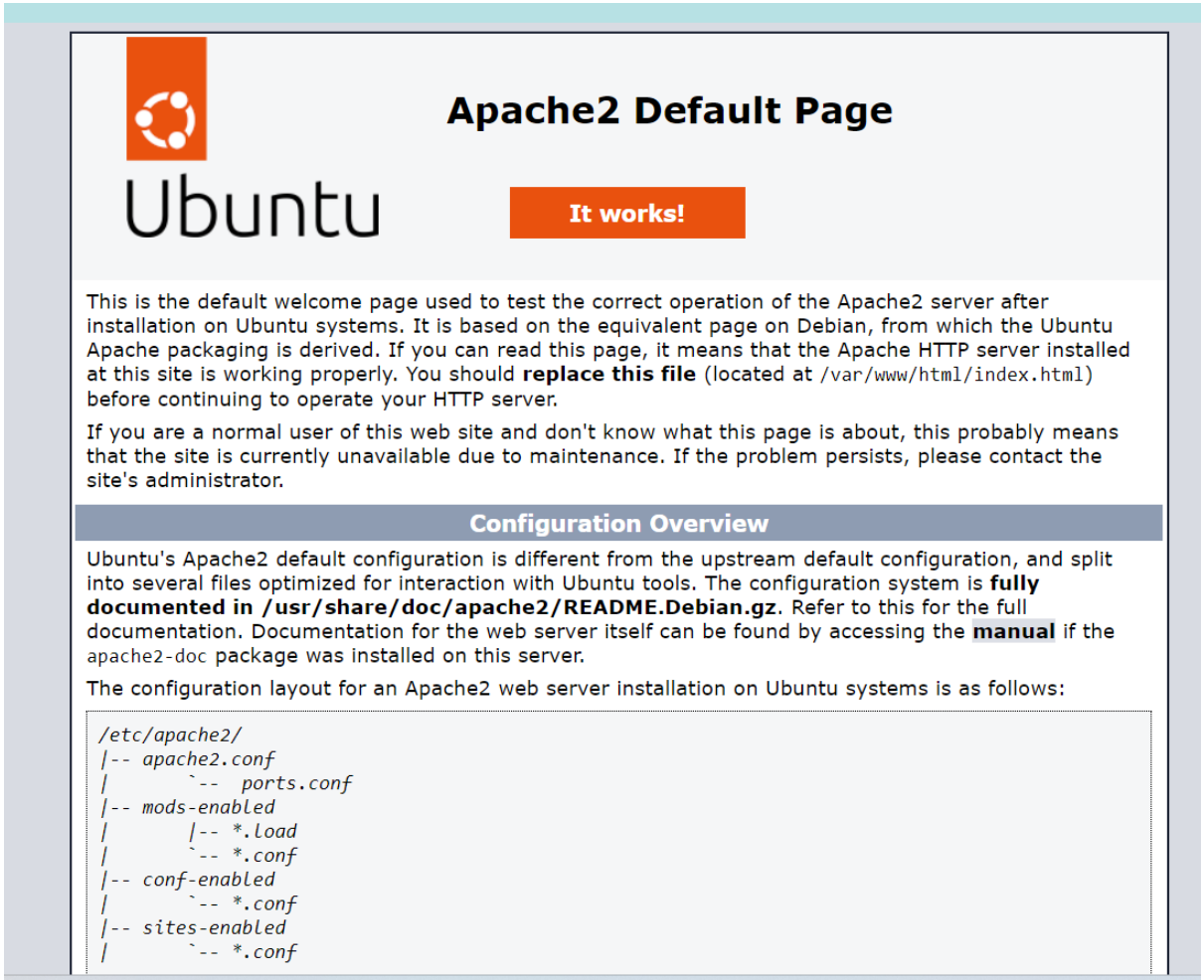
4. After doing that you will see this UI



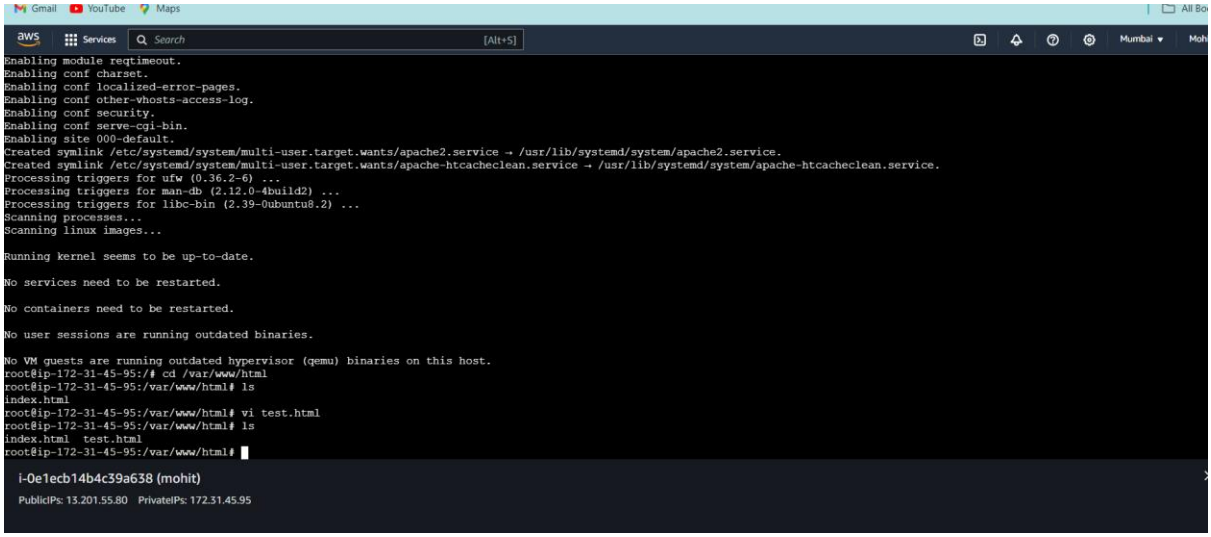
5. Follow these steps and then run these commands



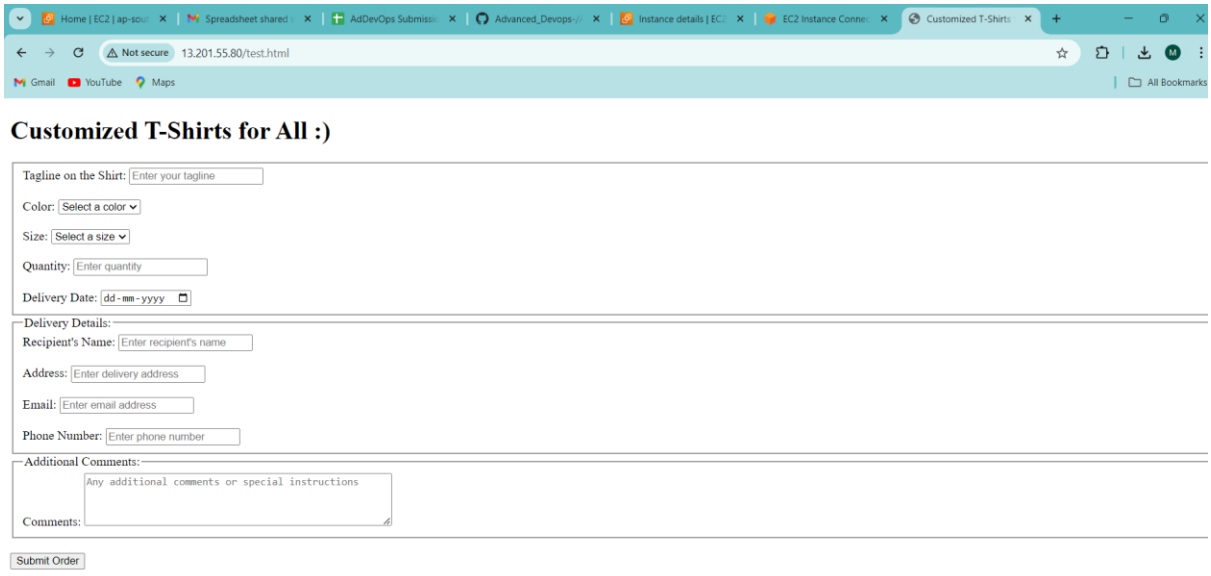
6. After that the ip-address which was given while running the instance, copy that and paste that on chrome, make sure that it is http and not https



7. Create a file using vi command and save it using : wq

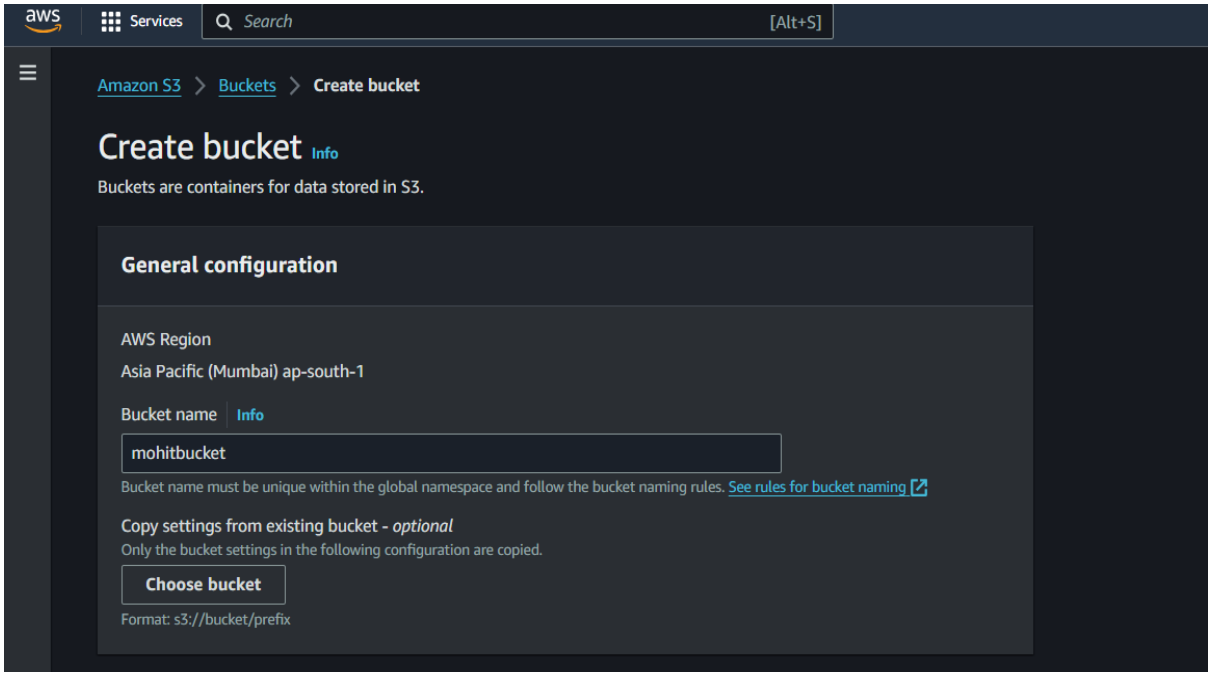


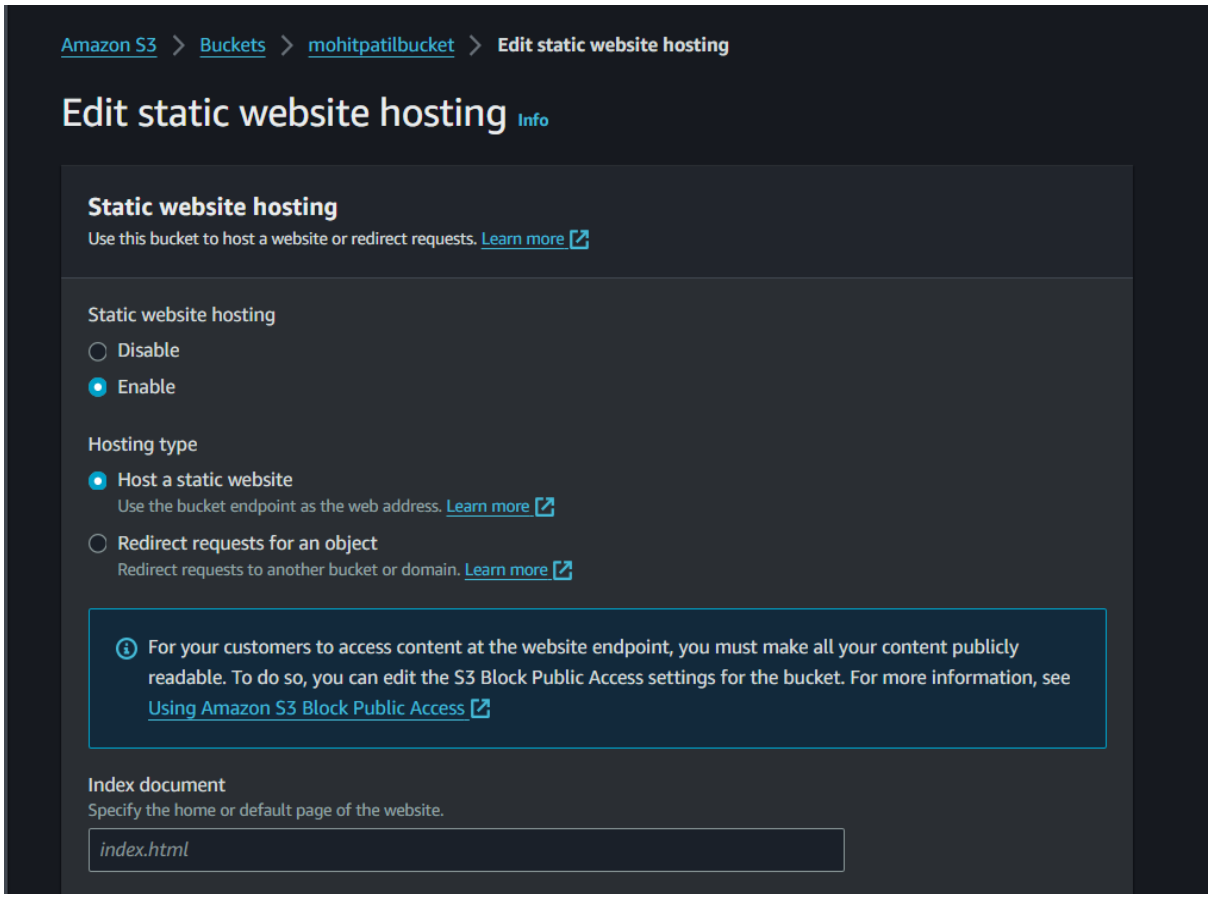
8. After saving that file go that page where ubuntu is listed and then on the link add “/your_file_name.html” and then whatever you saved on that file will be displayed



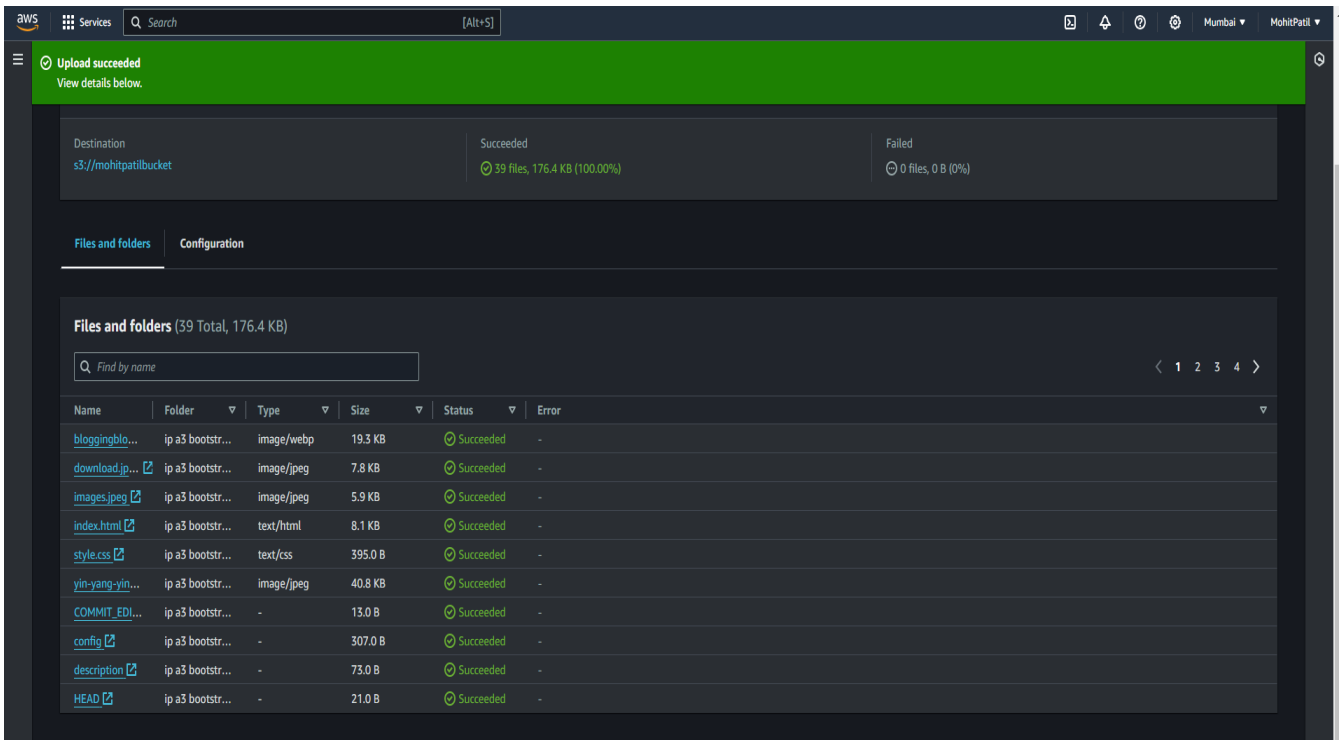
Static Hosting using S3 bucket

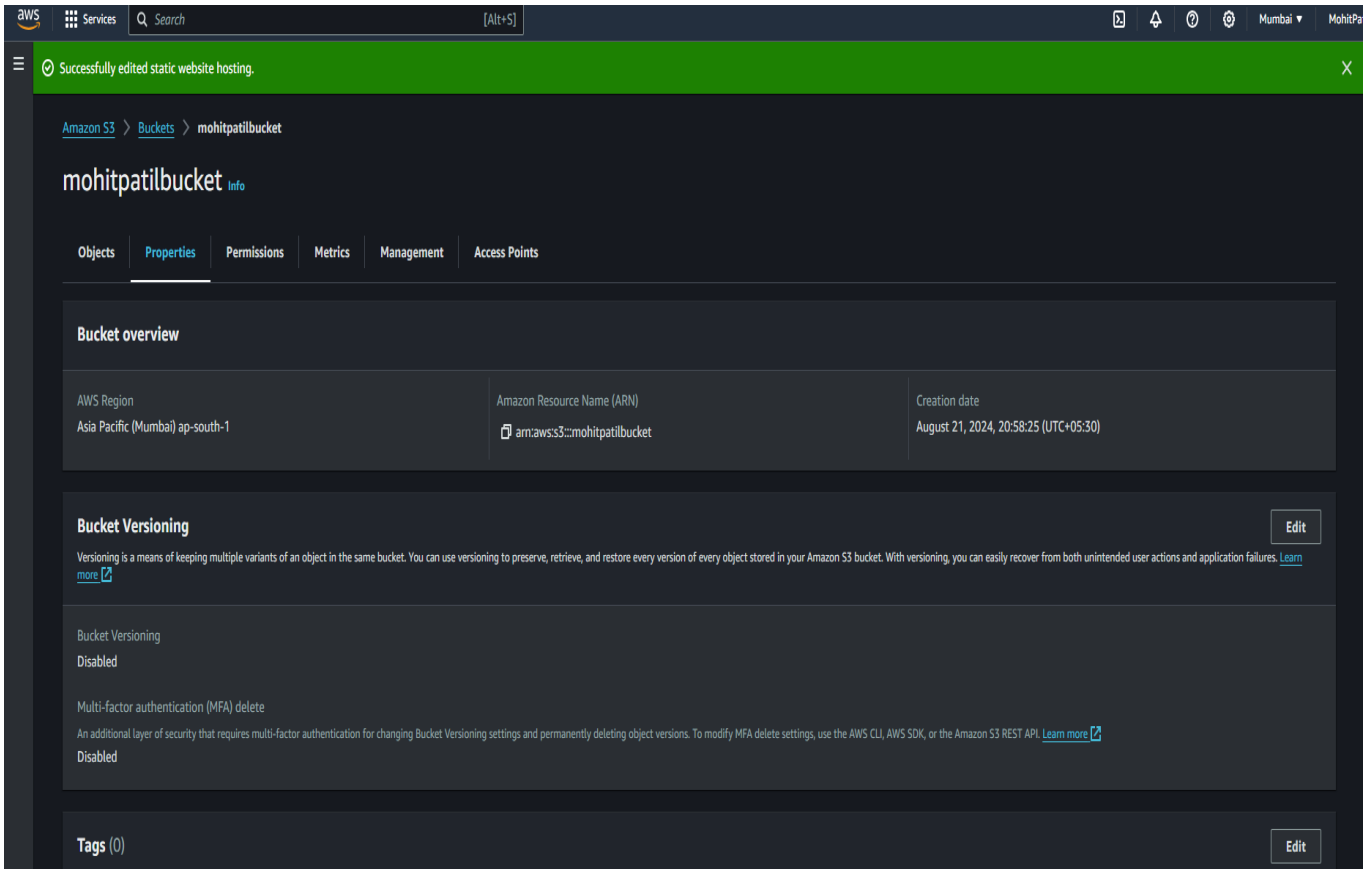
Step1: Create bucket

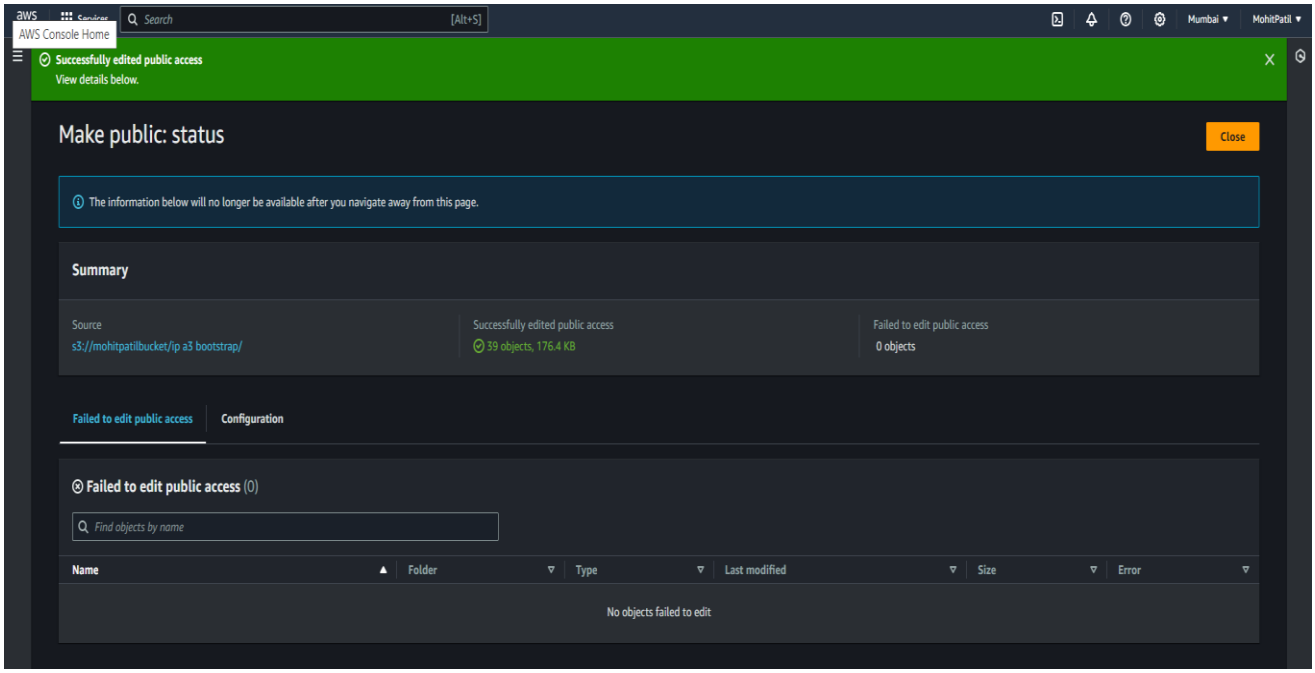




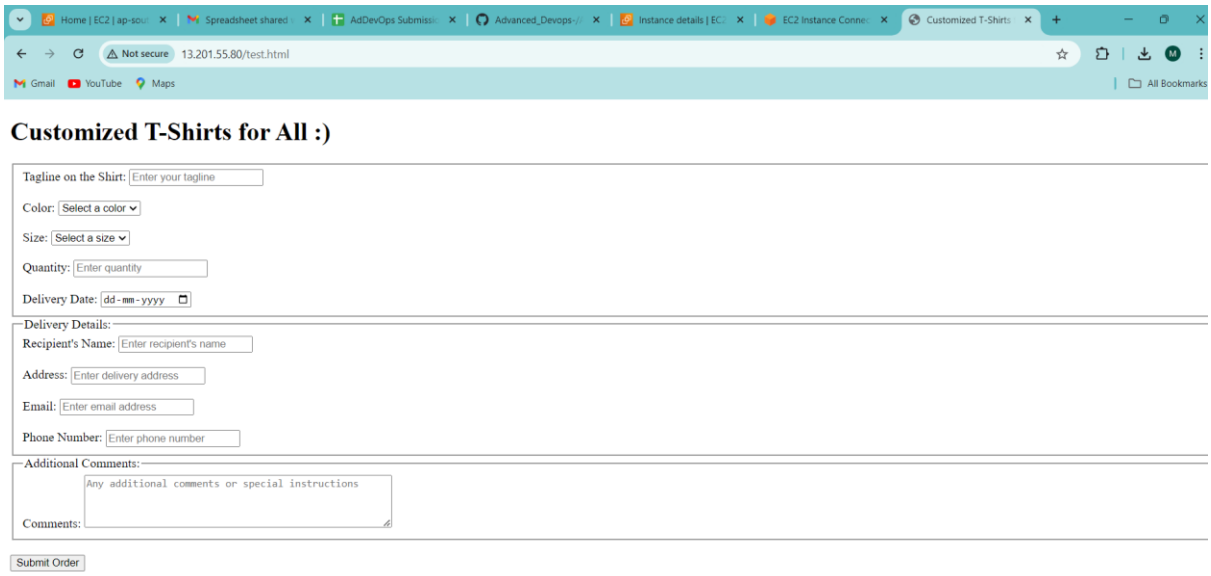
Step 2: Add resources





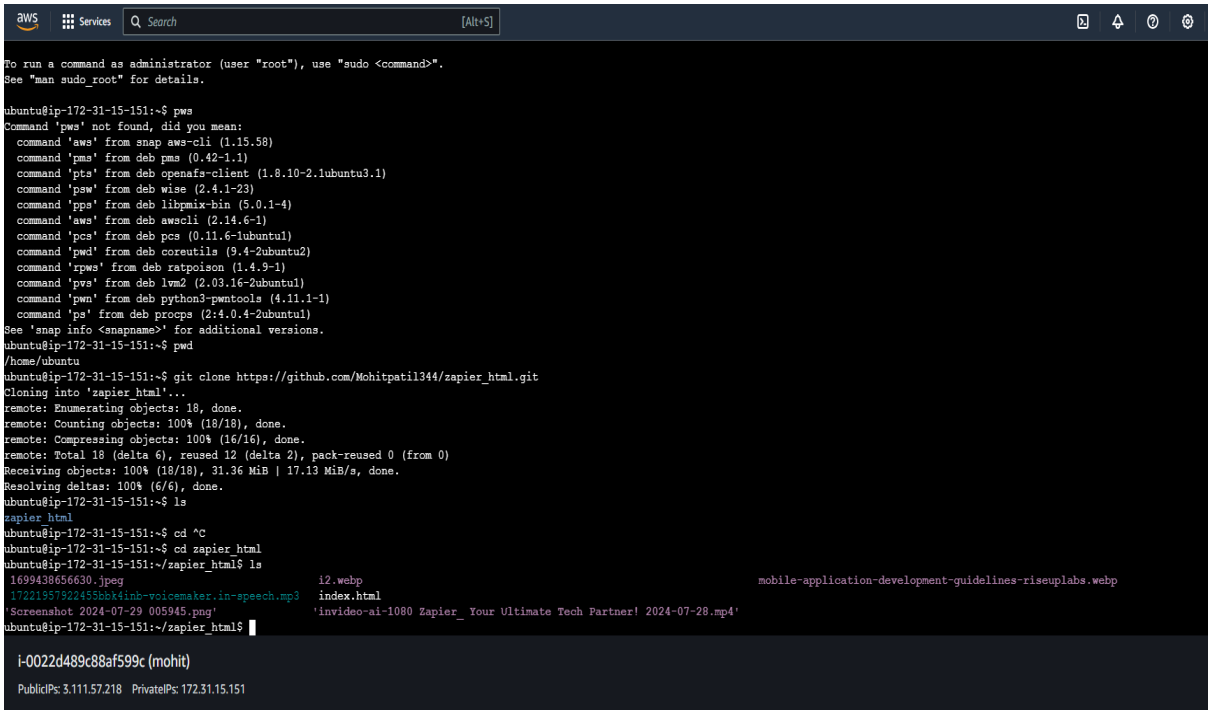


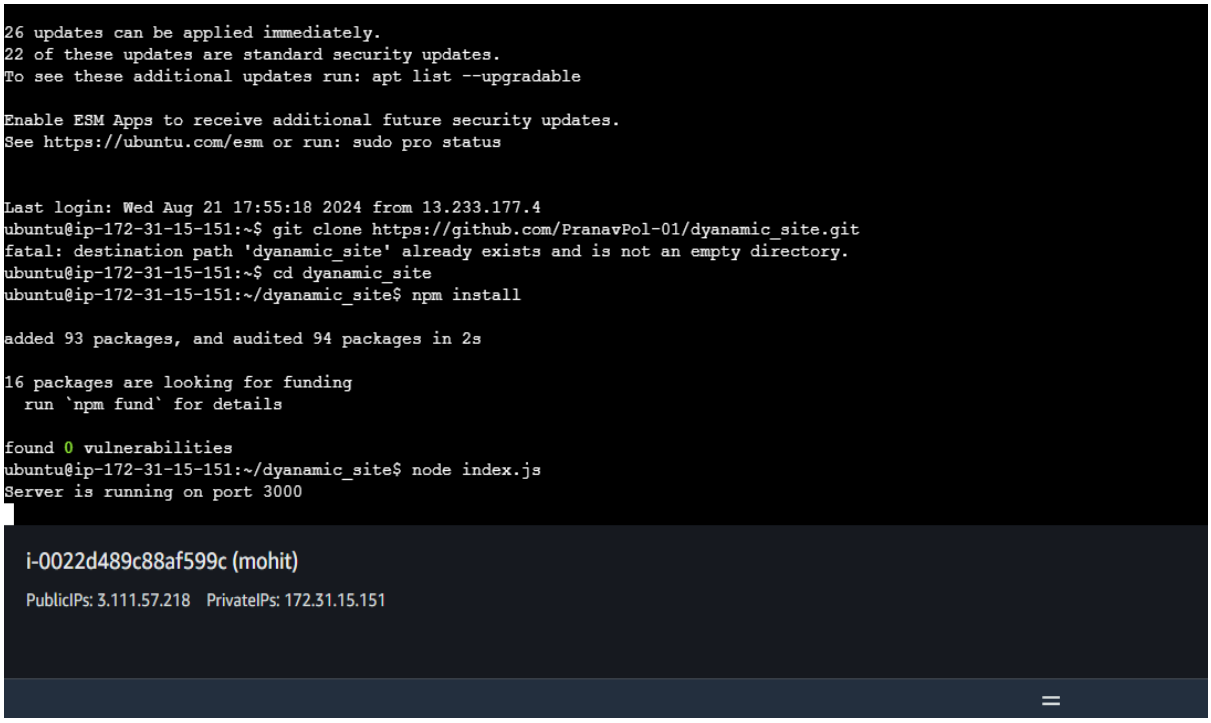
Step 3 : visit hosted website



EC2 Dynamic Site Hosting

Step 1 : Open Console and clone the github repository



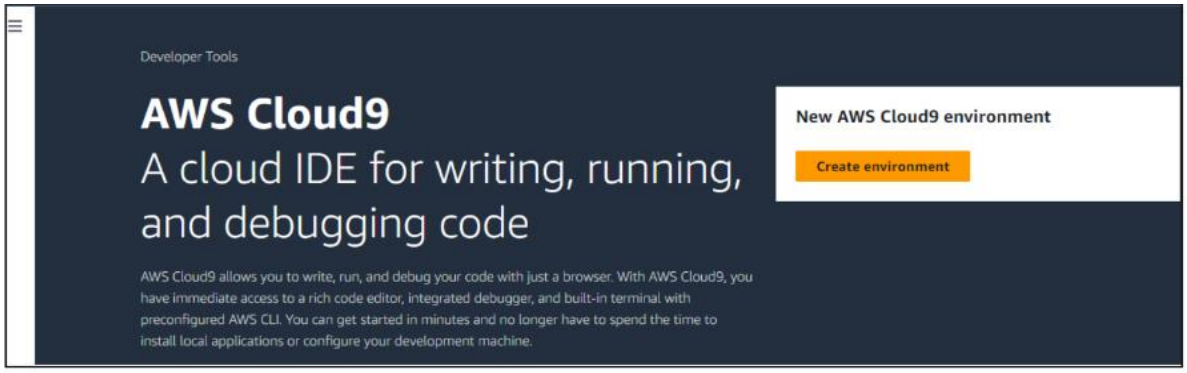


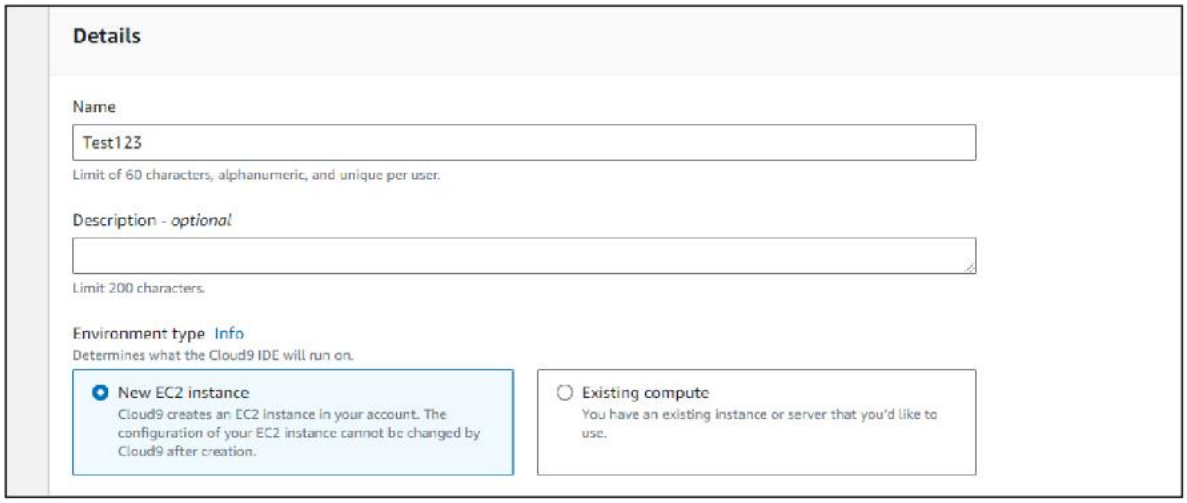
Step 2 : Install necessary Packages and run website on port 3000

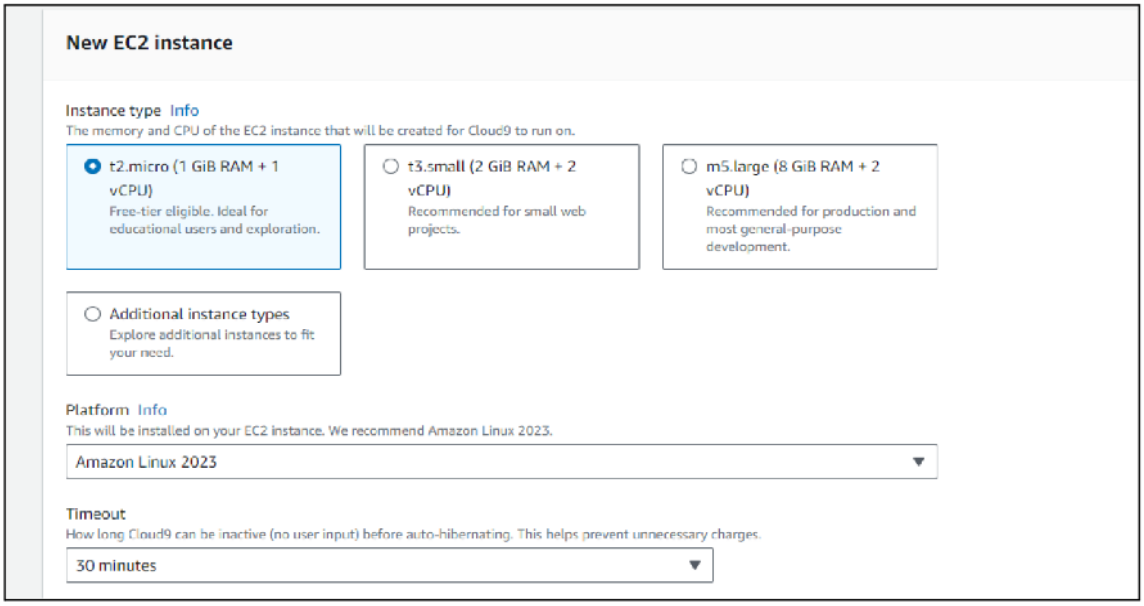
Hey this is Dynamic Website.

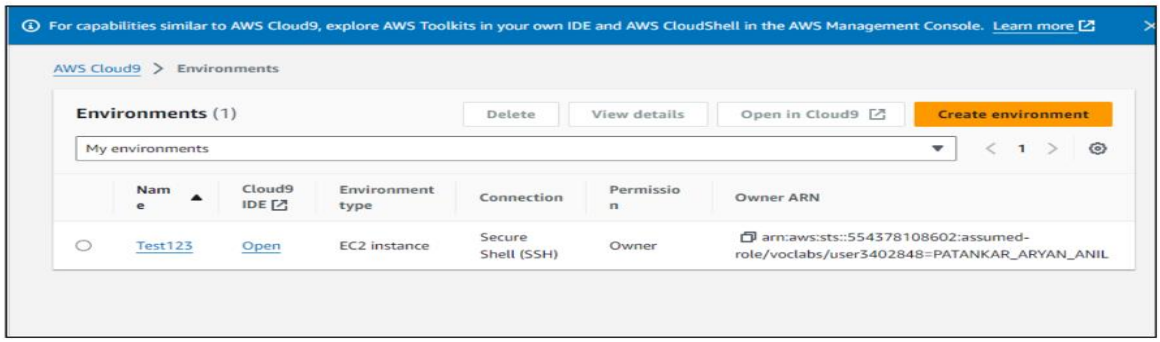
Hey this is about page.

Cloud 9 IDE Site Hosting

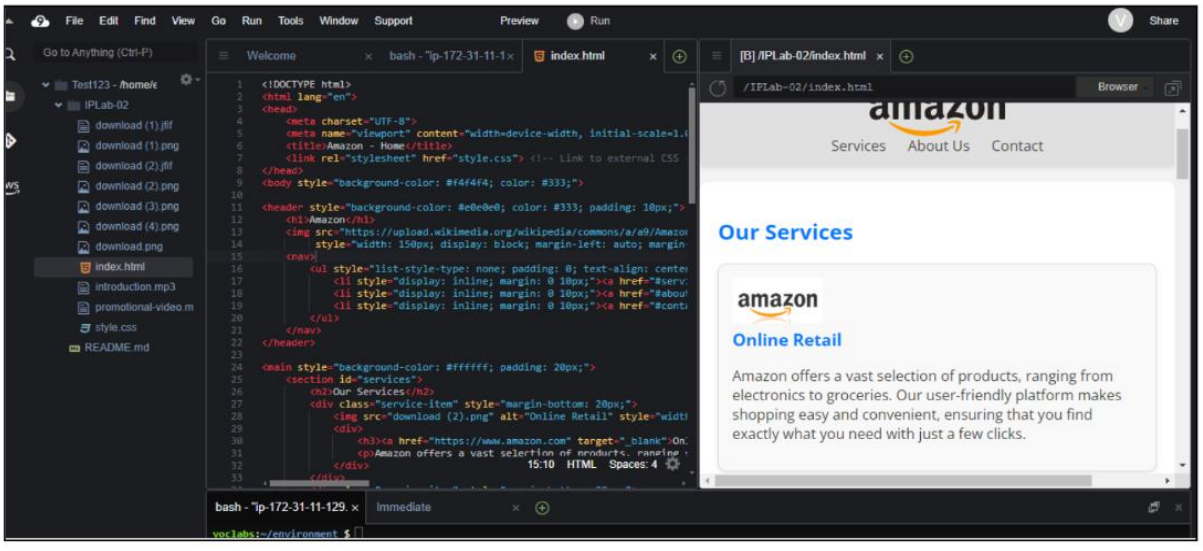







For capabilities similar to AWS Cloud9, explore AWS Toolkits in your own IDE and AWS CloudShell in the AWS Management Console. Learn more
AWS Cloud9 > Environments
Environments (1)
Delete
View details
Open in Cloud9
Create environment
My environments
Name
Cloud9 IDE
Environment type
Connection
Permission
Owner ARN
Test123
Open
EC2 instance
Secure Shell (SSH)
Owner
arn:aws:sts::554378108602:assumed-role/voclabs/user3402848=PATANKAR_ARYAN_ANIL


File Edit Find View Go Run Tools Window Support
Preview
Run
Share
Welcome
Developer Tools
AWS Cloud9
Welcome to your development environment
AWS Cloud9 allows you to write, run, and debug your code with just a browser. You can tour the IDE, write code for AWS Lambda and Amazon API Gateway, share your IDE with others in real time, and much more.
Getting started
Create File
Upload Files...
Clone from GitHub
Toolkit for AWS Cloud9
The AWS Toolkit for Cloud9 is an IDE extension that simplifies accessing and interacting with resources from services such as AWS Lambda, AWS CloudFormation, and AWS API Gateway. With the toolkit, developers can also develop, debug, and deploy applications
bash - "ip-172-31-11-129.
Immediate
voclabs:~/environment $


File Edit Find View Go Run Tools Window Support
Preview
Run
Share
Welcome
bash - "ip-172-31-11-1
index.html
[B] /IPLab-02/index.html
/IPLab-02/index.html
Browser
Services
About Us
Contact
Our Services
amazon
Online Retail
Amazon offers a vast selection of products, ranging from electronics to groceries. Our user-friendly platform makes shopping easy and convenient, ensuring that you find exactly what you need with just a few clicks.
15:10 HTML Spaces: 4
bash - "ip-172-31-11-129.
Immediate
voclabs:~/environment $