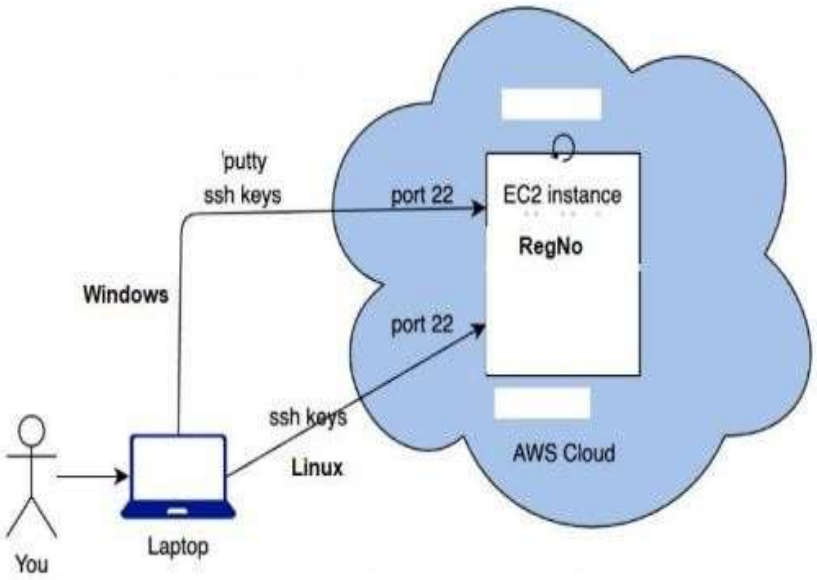
Tejas Rokade

20BDS0033

L45+L46

LAB ASSESSMENT 2

1. Create an EC2 Instance in the Amazon Web Services and perform the following operation onto that instance. Name the instance with your RegNo.



How to Connect from your local machine to EC2 instance running in AWS?

a) Connect the Instance through Putty through Windows using the Key pair created during the instance launch

b) Connect the same instance through your Ubuntu VM running on your machine using SSH protocol

c) Update the OS

d) Install the "C" Compiler

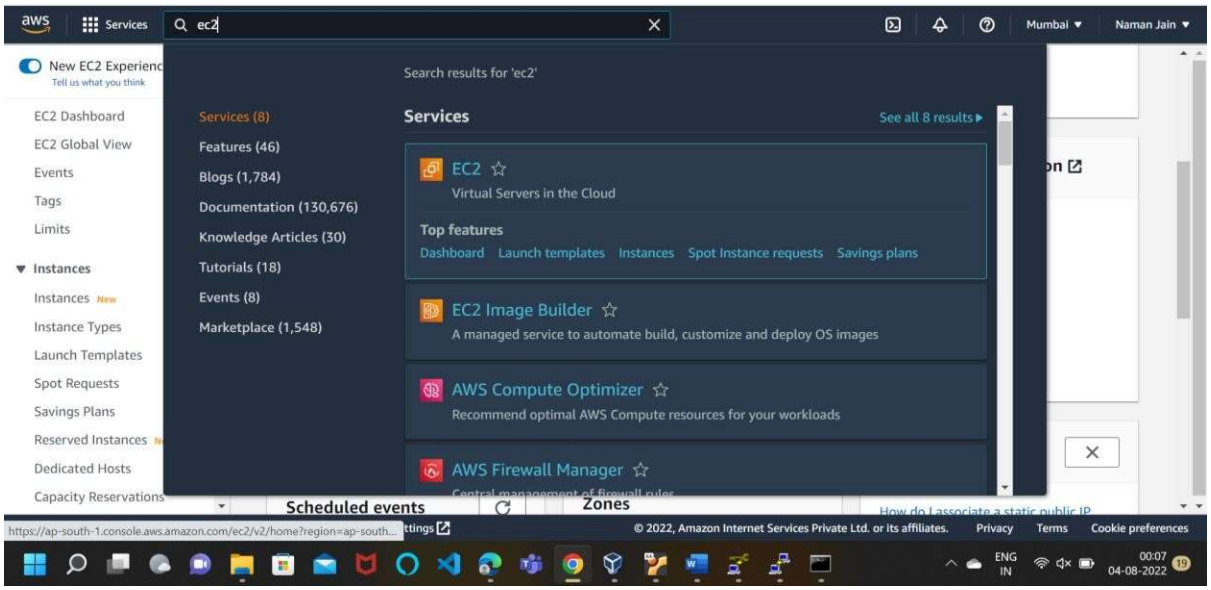
e) Create a Directory with your Register No

f) Type a c program to perform addition of two numbers and save it as yourshortname.c in the Folder you created

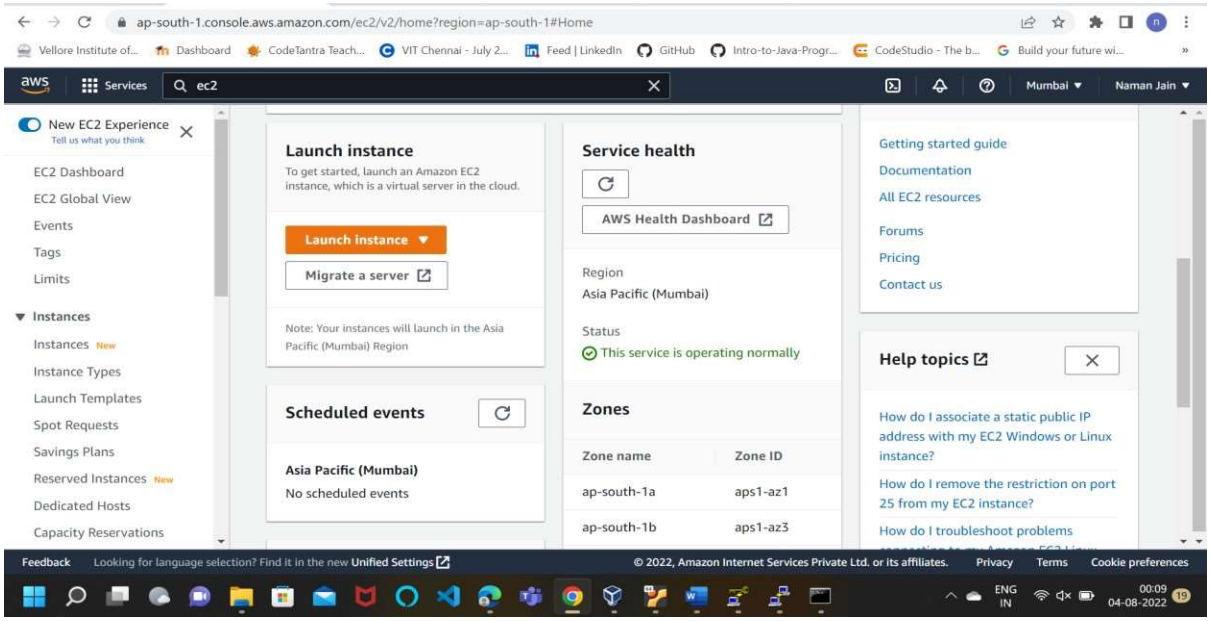
g) Compile the C Program and Run the C Program

Sign up to the amazon

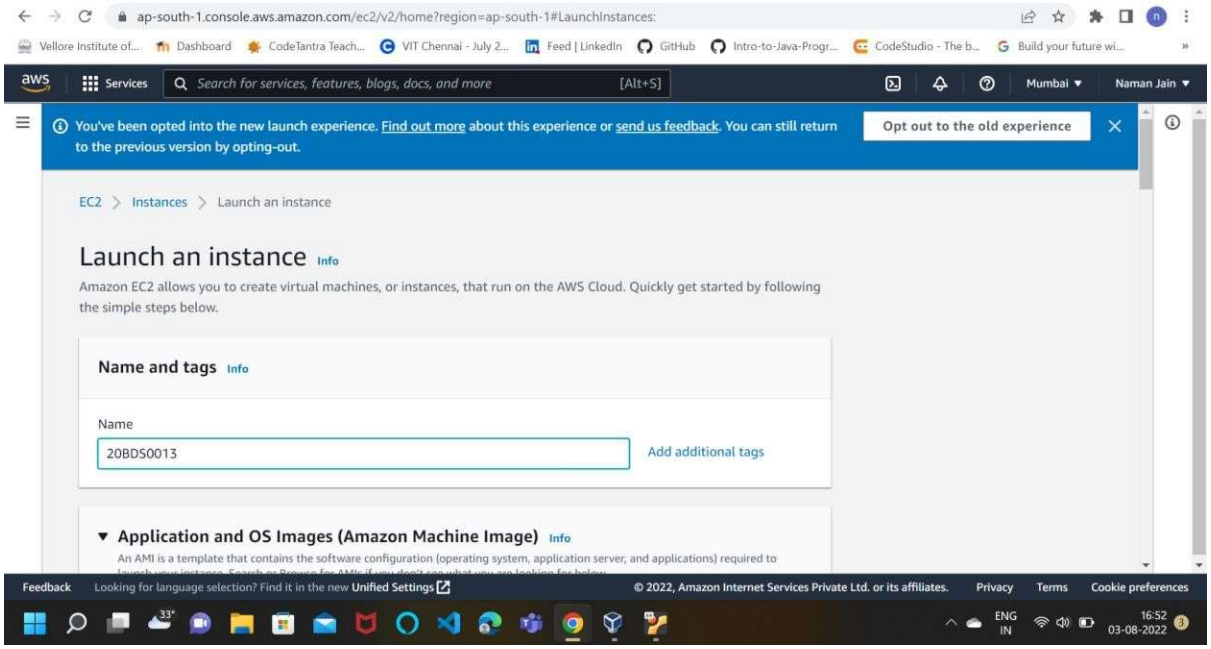
In the search for EC2 and click on EC2

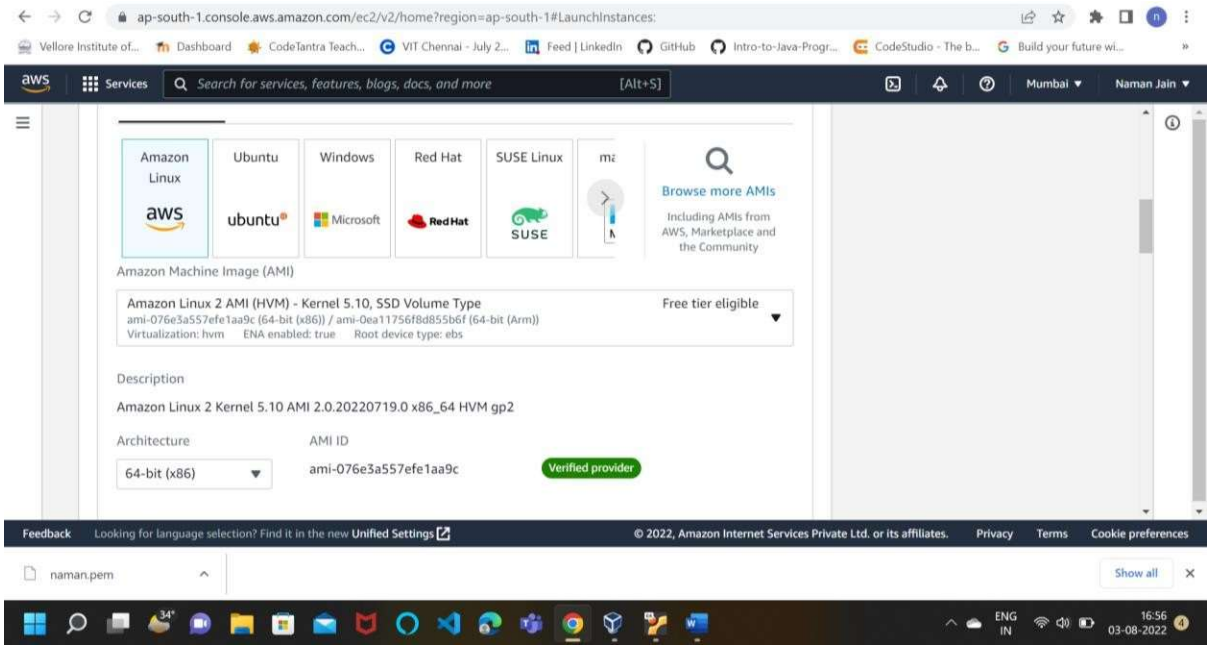


Scroll down to launch instance and create a new instance

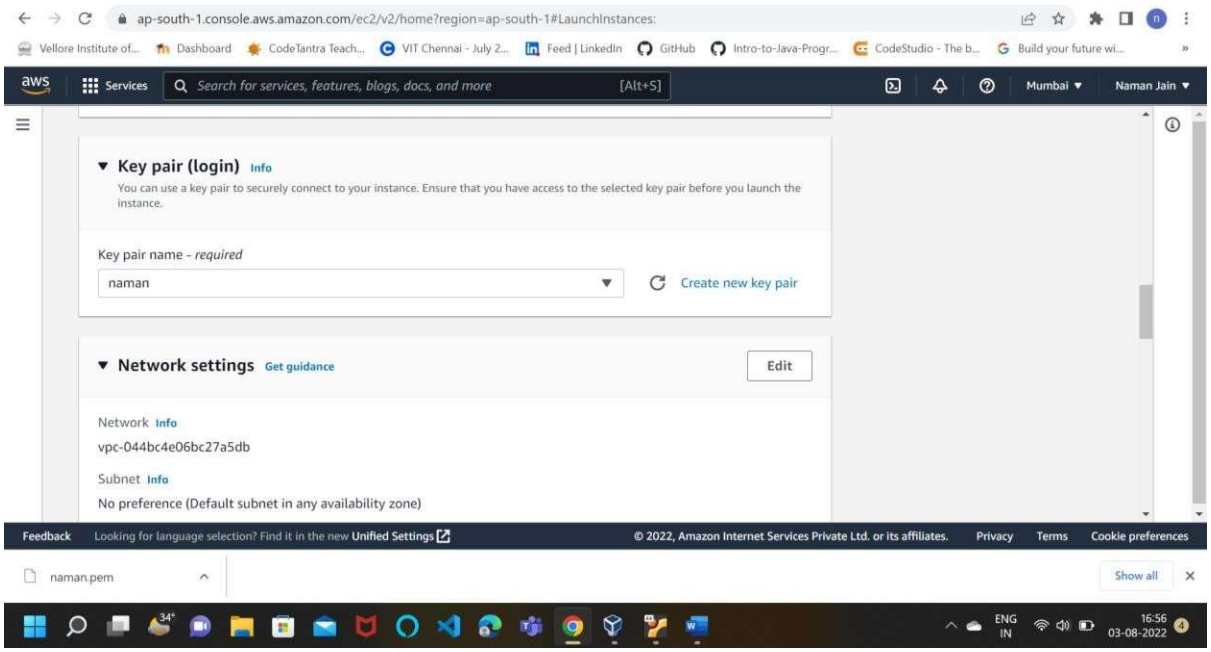


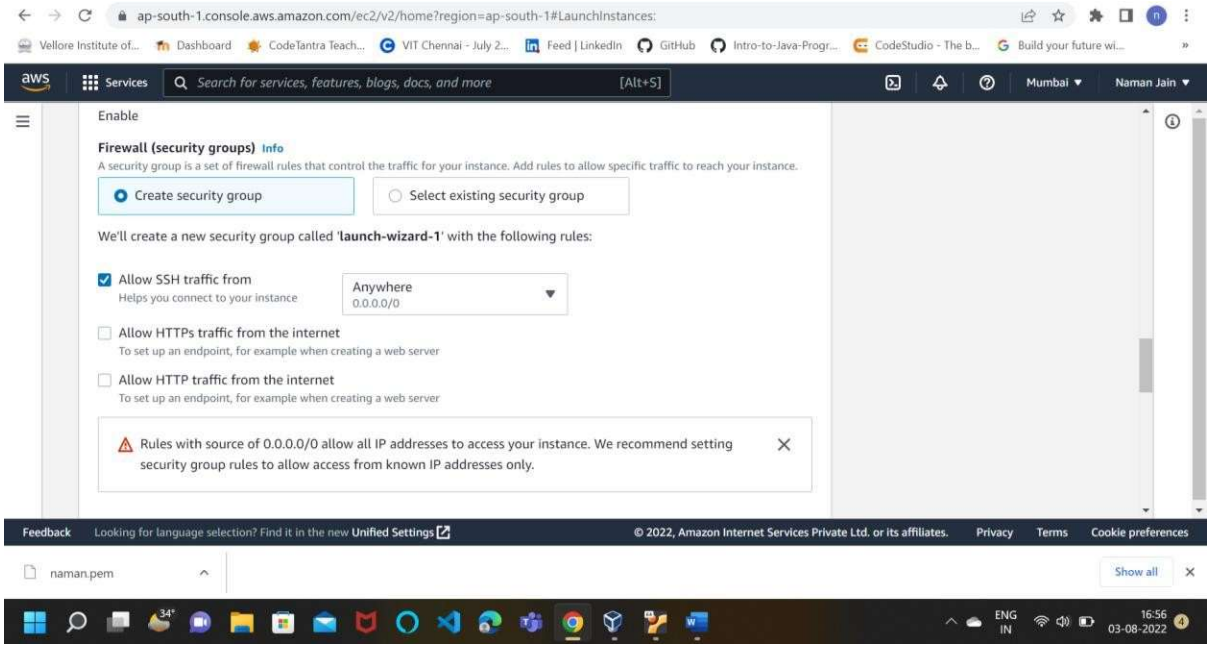
Enter the name of the instance

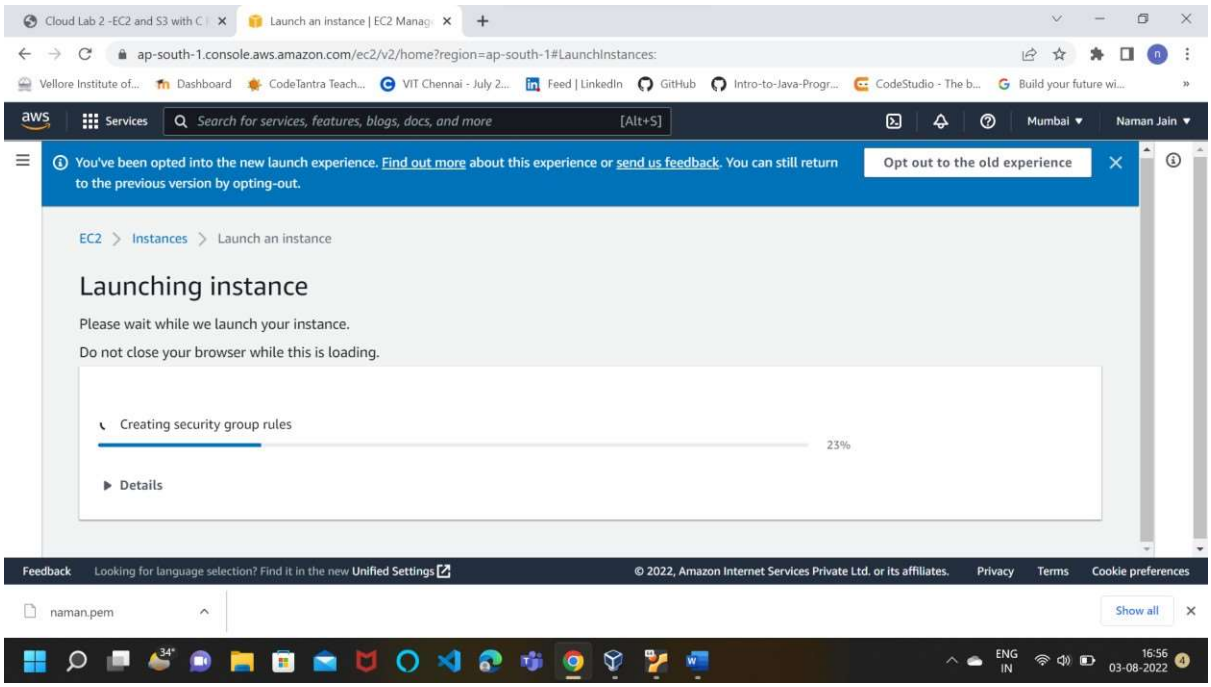




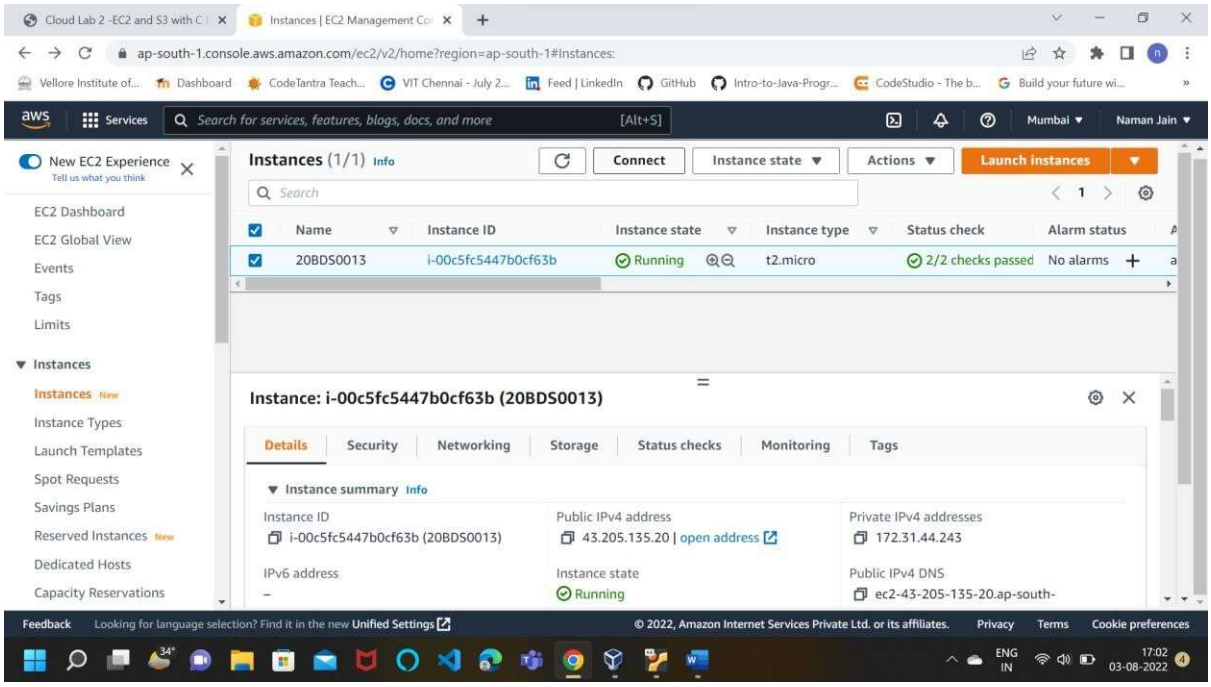
Create new key pair and download .pem file and share this file in to the ubuntu vm



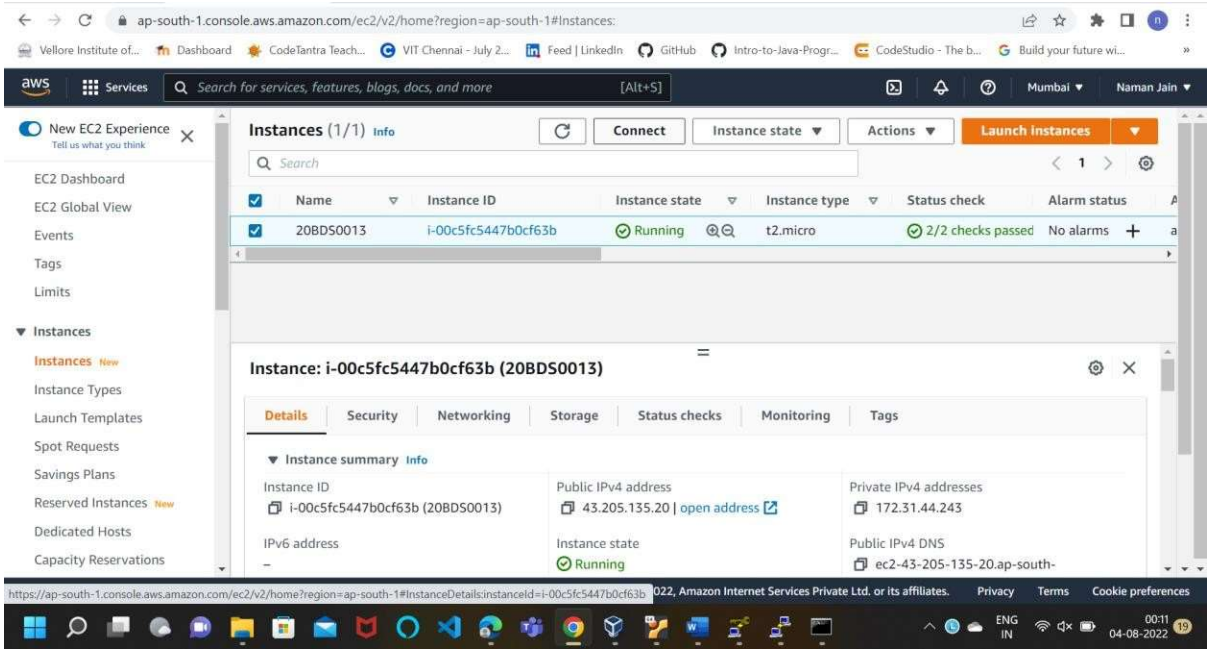




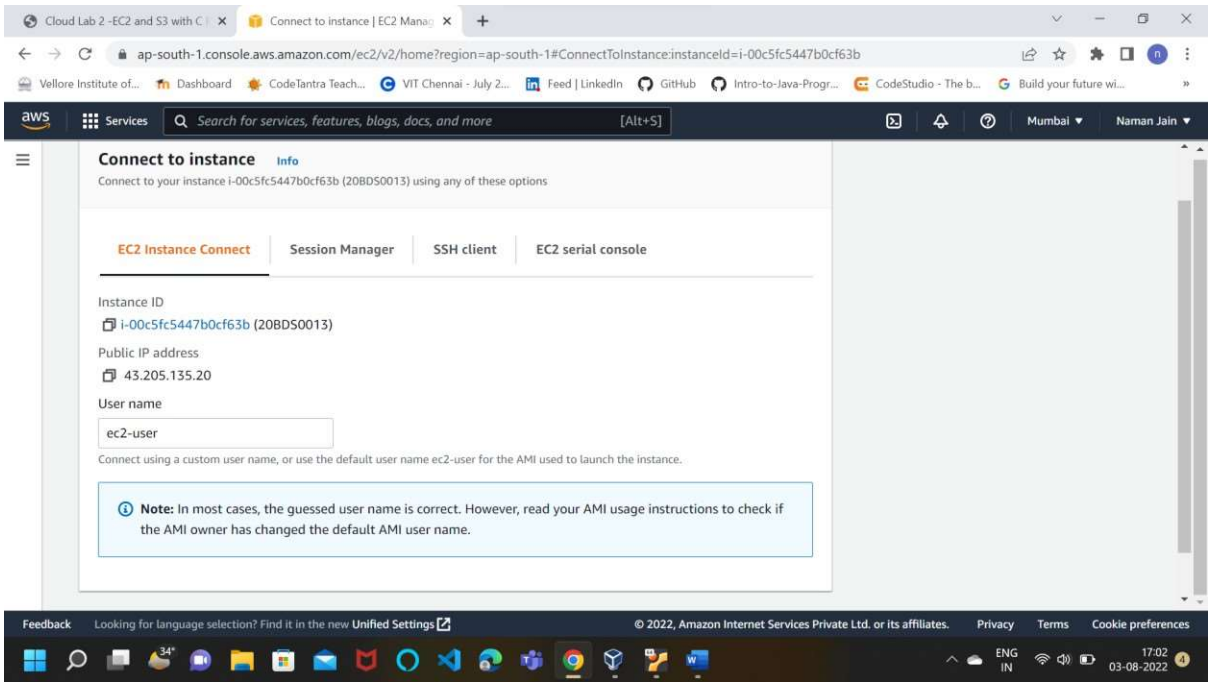
A new instance will be created



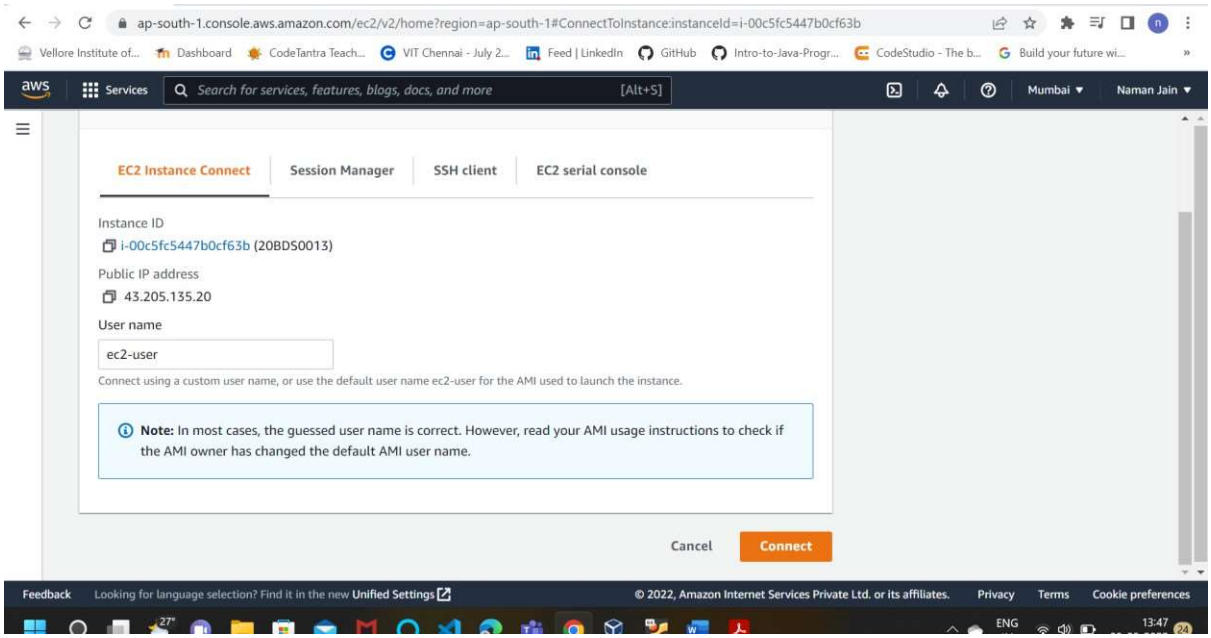
Click on the new instance (check box) created and click on connect



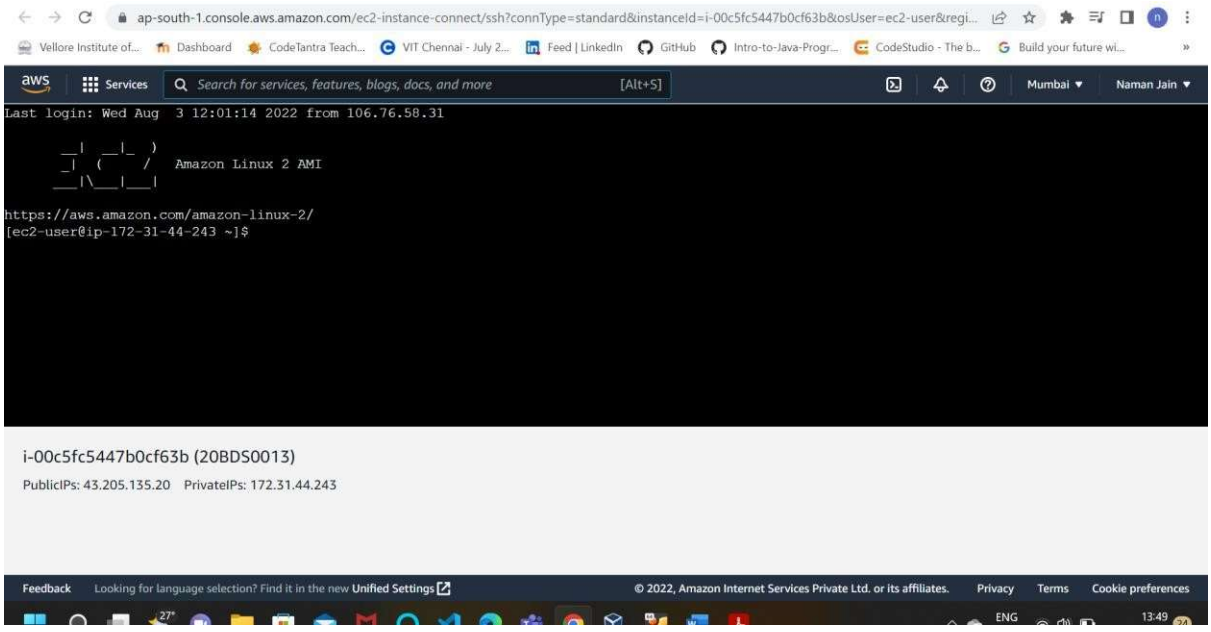
After clicking on connect go to EC2 Instance Connect



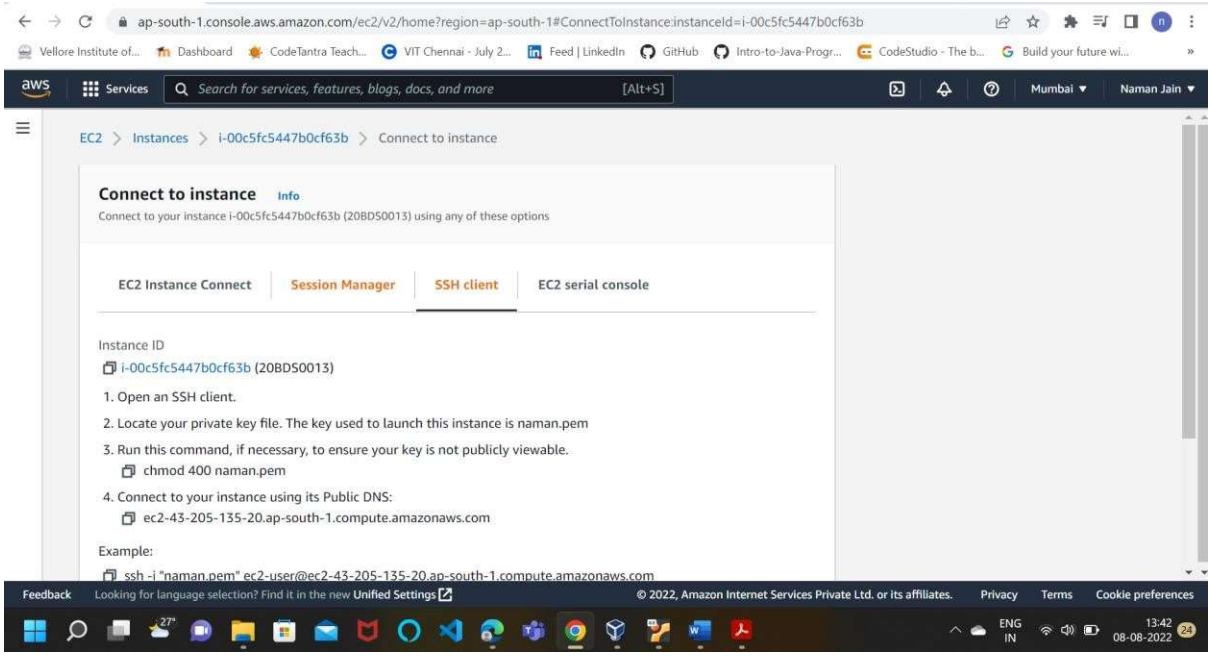
Click connect



After clicking on connect this will open up. Now go back to previous tab to SSH client



Go to SSH client



Now open Ubuntu OS and then open terminal

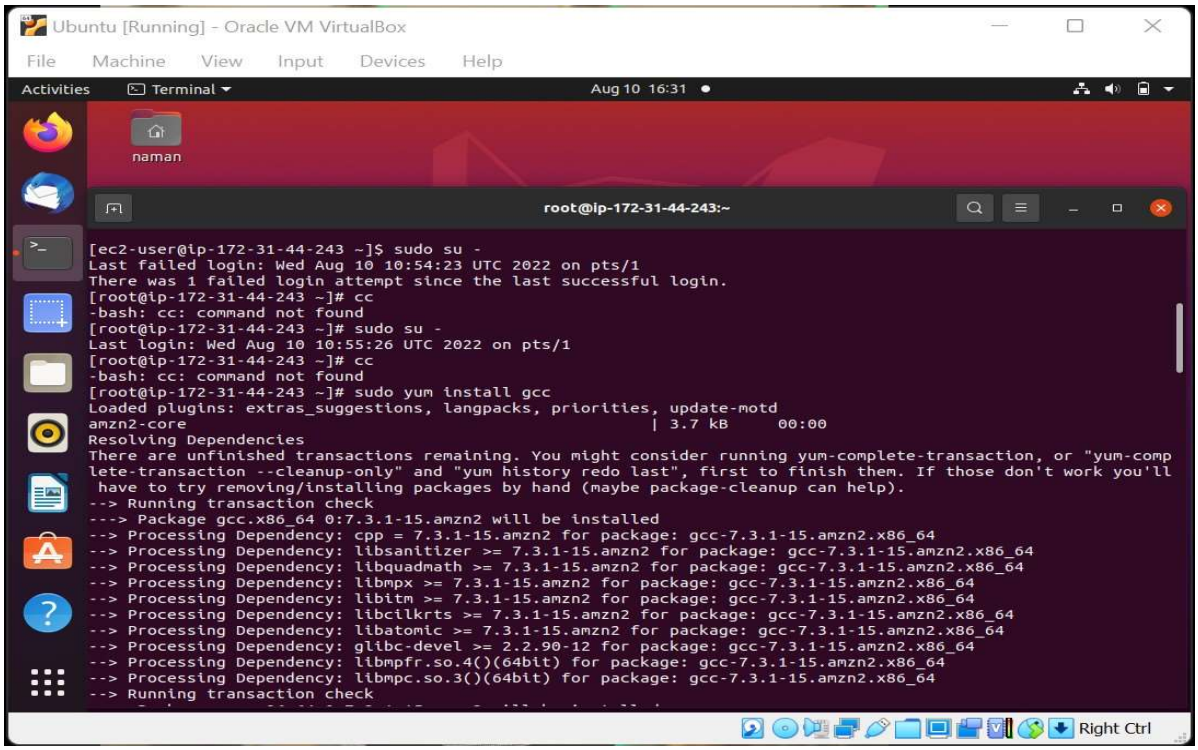
Now Locate your private key file which is naman.pem located in Downloads

In terminal give command **chmod 400 naman.pem**

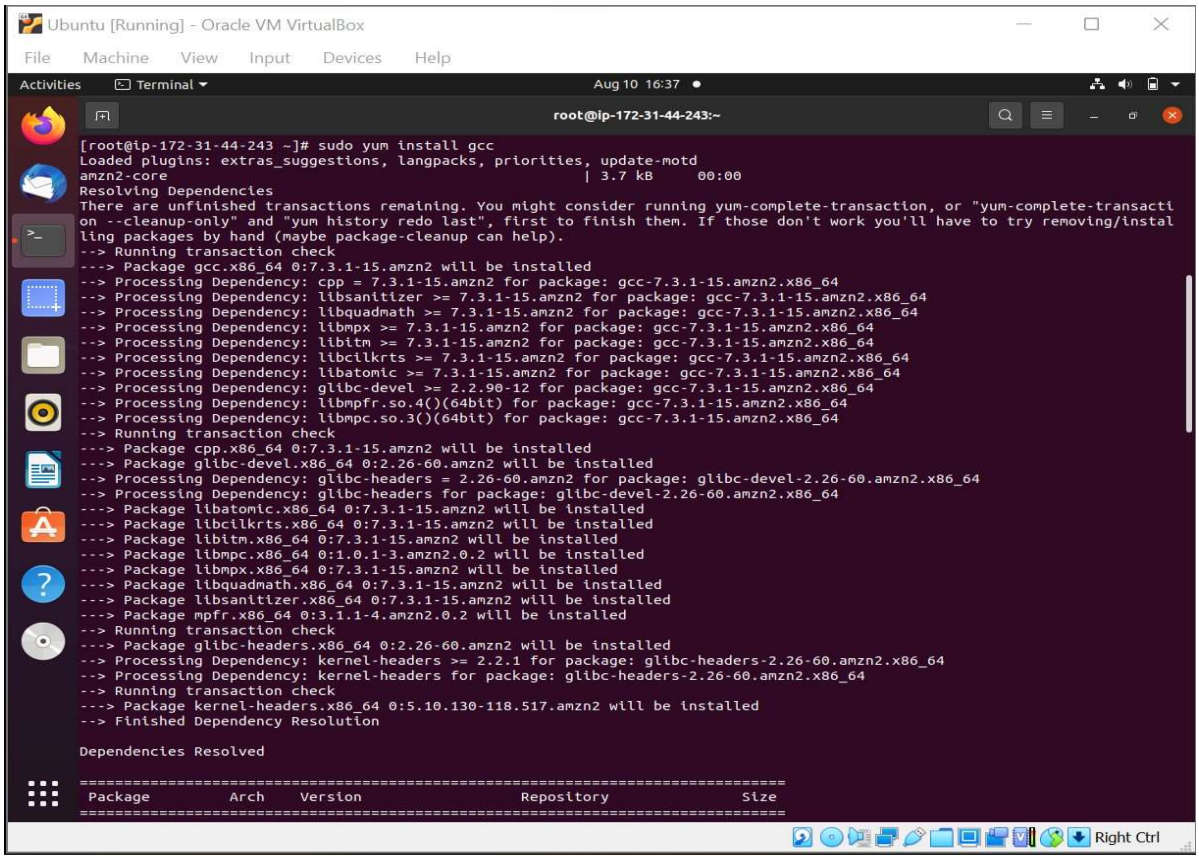
Then give command **ssh -i "naman.pem"** **ec2-user@ec2-43-205-135-20.ap-south-1.compute.amazonaws.com**

This will connect the SSH client(Ubuntu OS) to the amazon cloud service

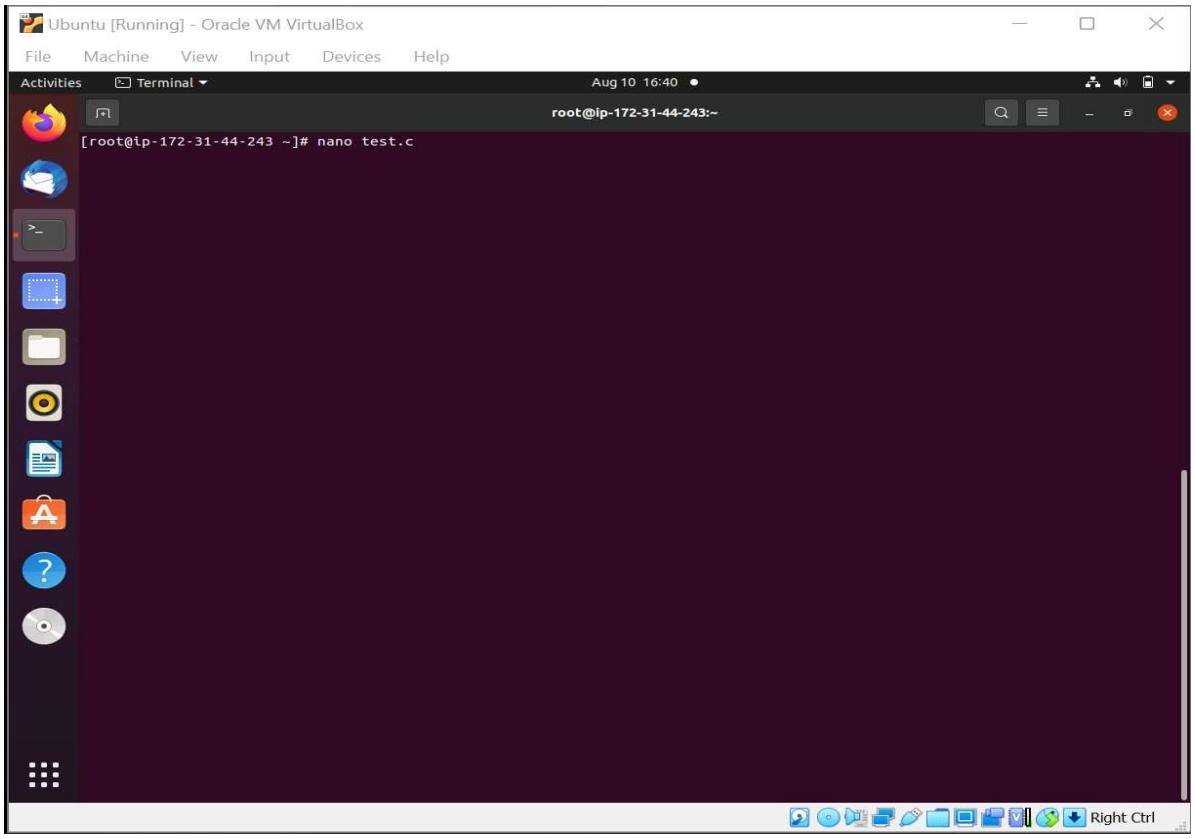
Now to change the mode give command **sudo su -** to switch the user from guest to supervisor

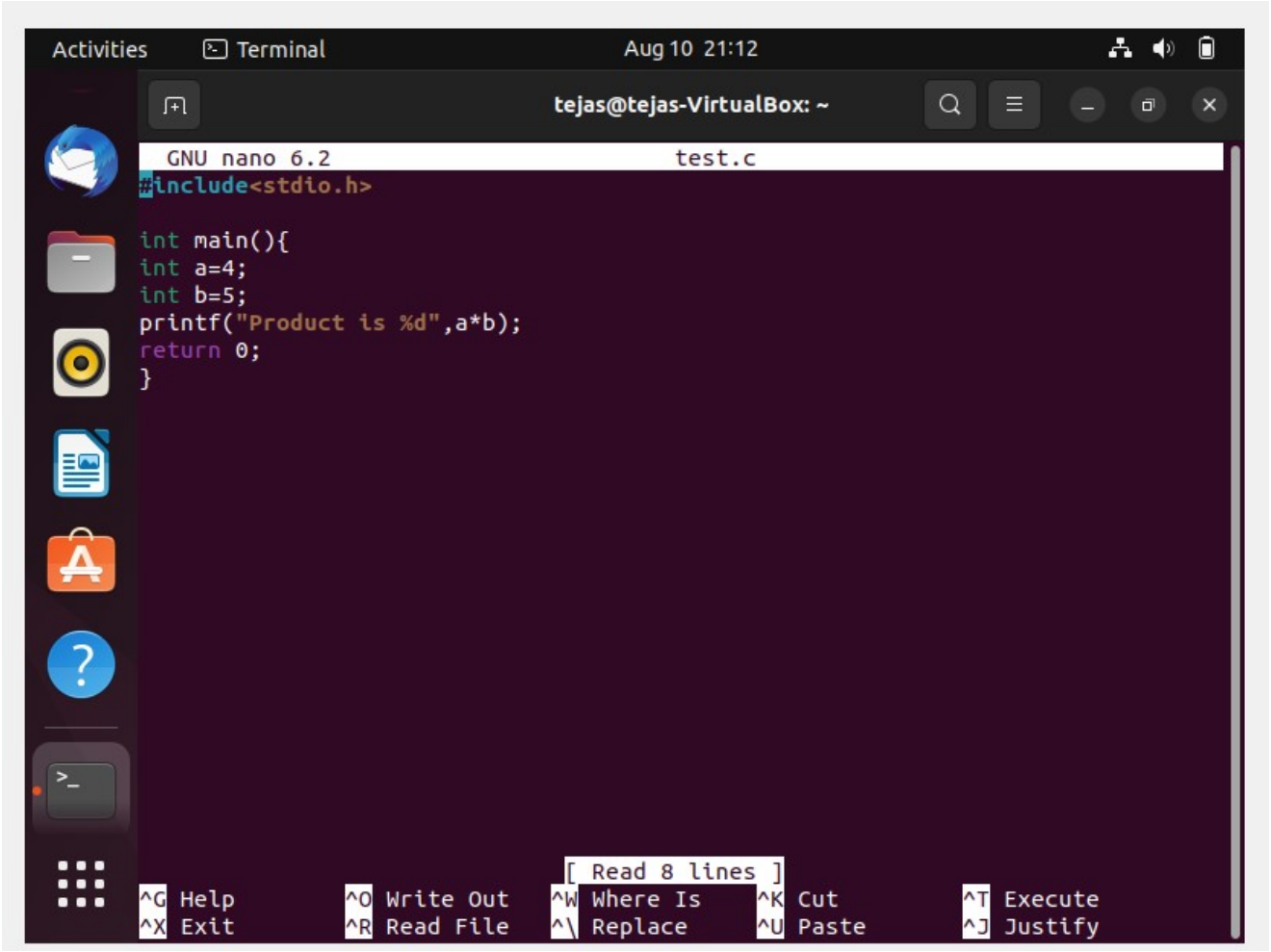


Now give command **sudo yum install gcc** to download gcc compiler

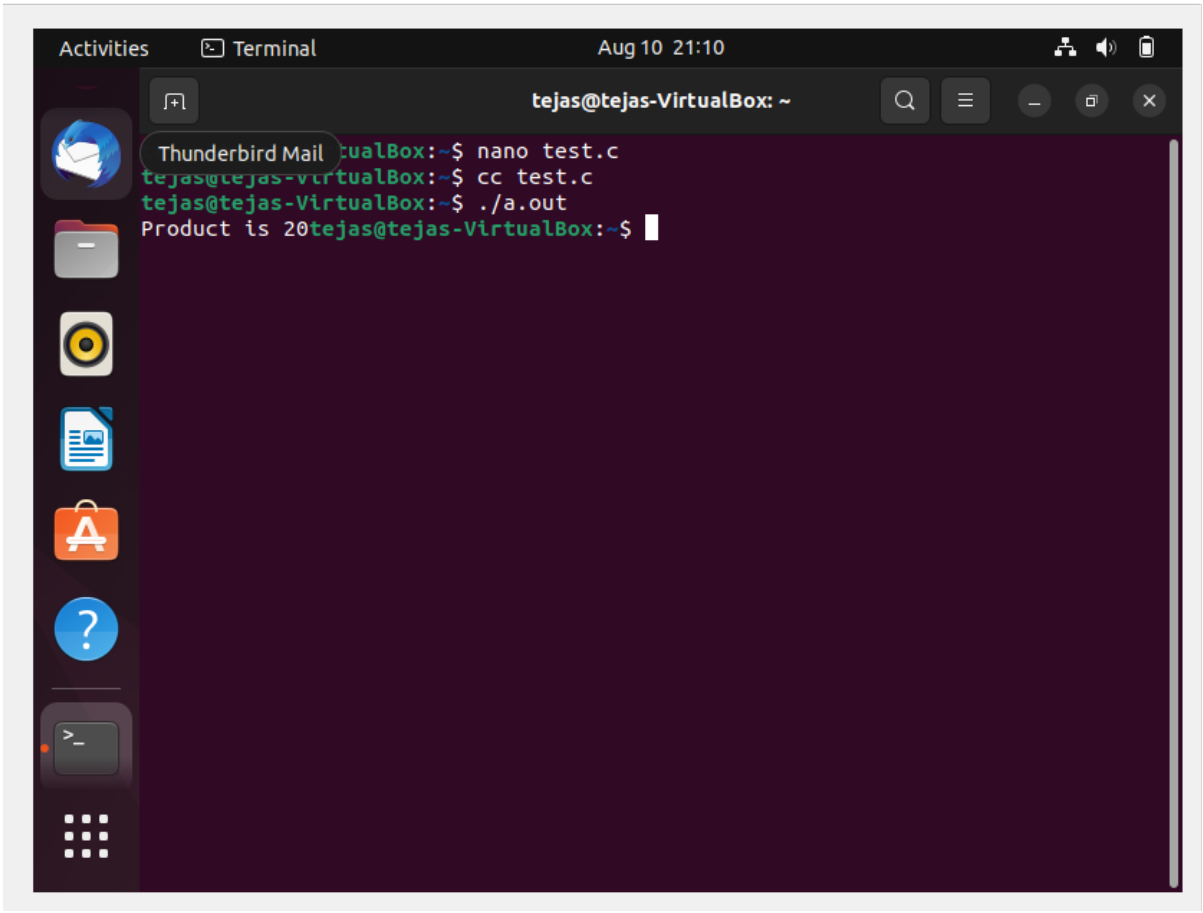


Use **nano test.c** to open nano file editor



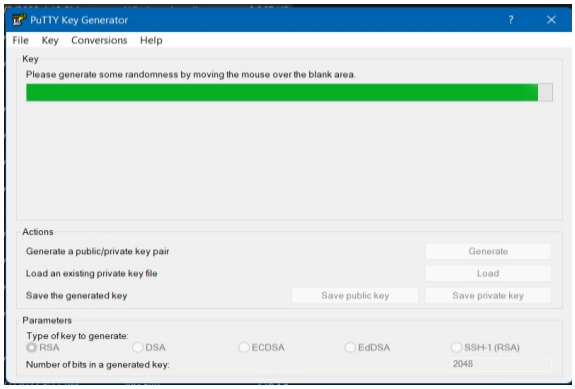


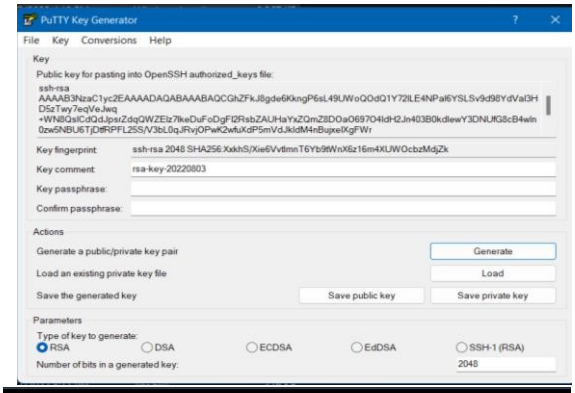
Compile and run the c file

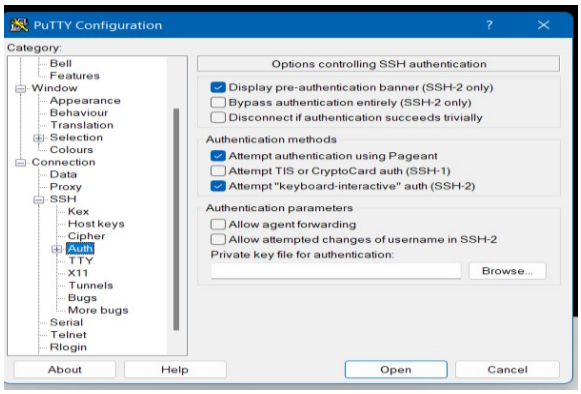

Activities
Terminal
Aug 10 21:10
tejas@tejas-VirtualBox: ~
Thunderbird Mail
tejas@tejas-VirtualBox:~$ nano test.c
tejas@tejas-VirtualBox:~$ cc test.c
tejas@tejas-VirtualBox:~$ ./a.out
Product is 20tejas@tejas-VirtualBox:~$

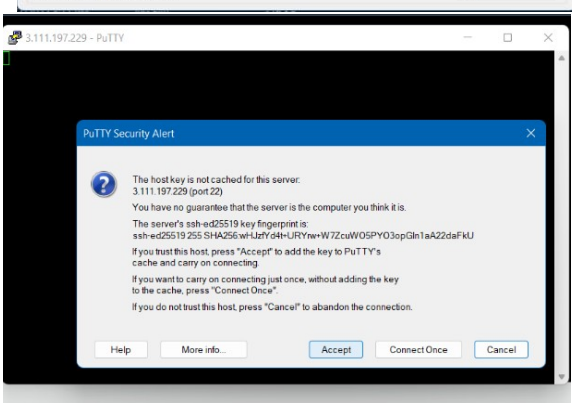
WINDOWS

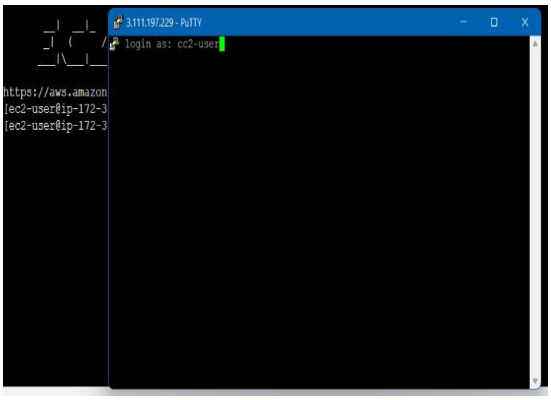
Now we will use windows to connect to aws using putty

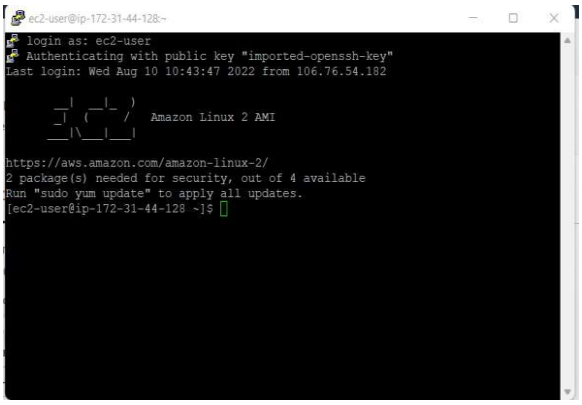




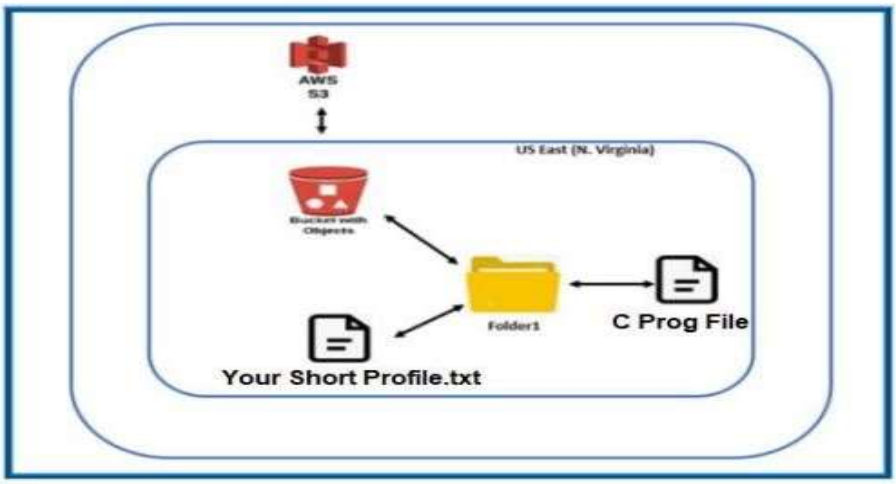




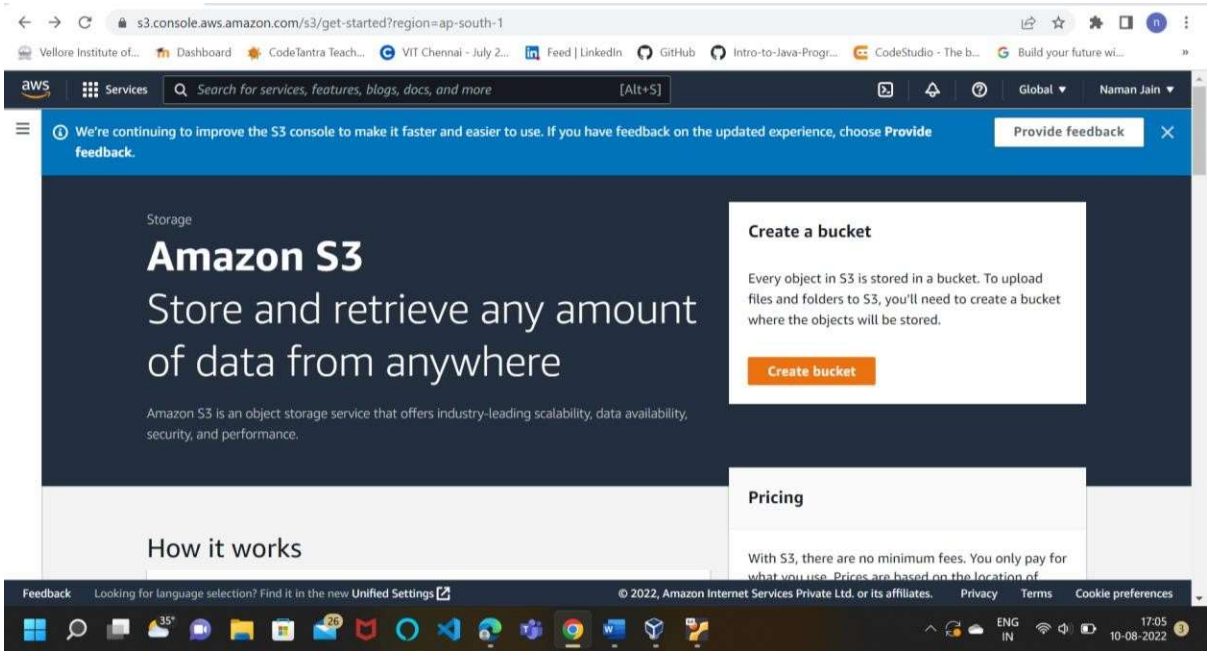




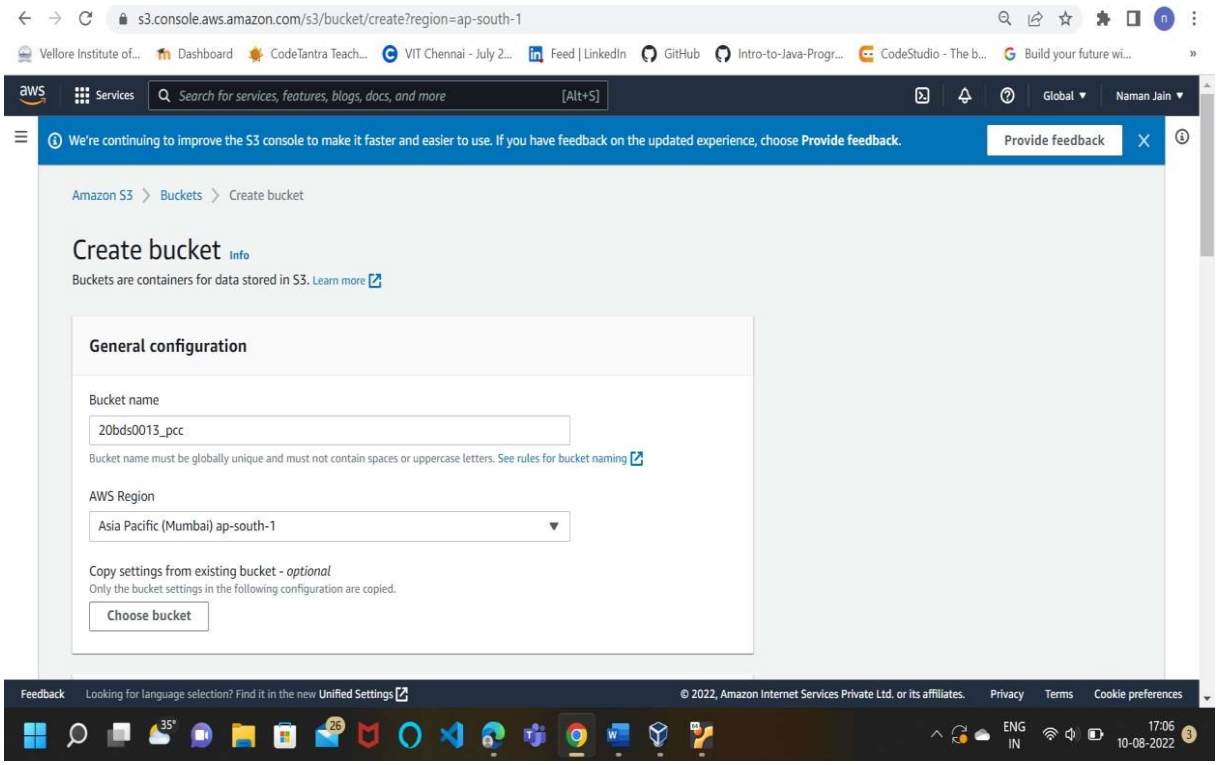
2. Create a Storage bucket using S3(Simple Storage Service) using AWS and store your c program file and your short profile text file onto the folder created in the S3 bucket.

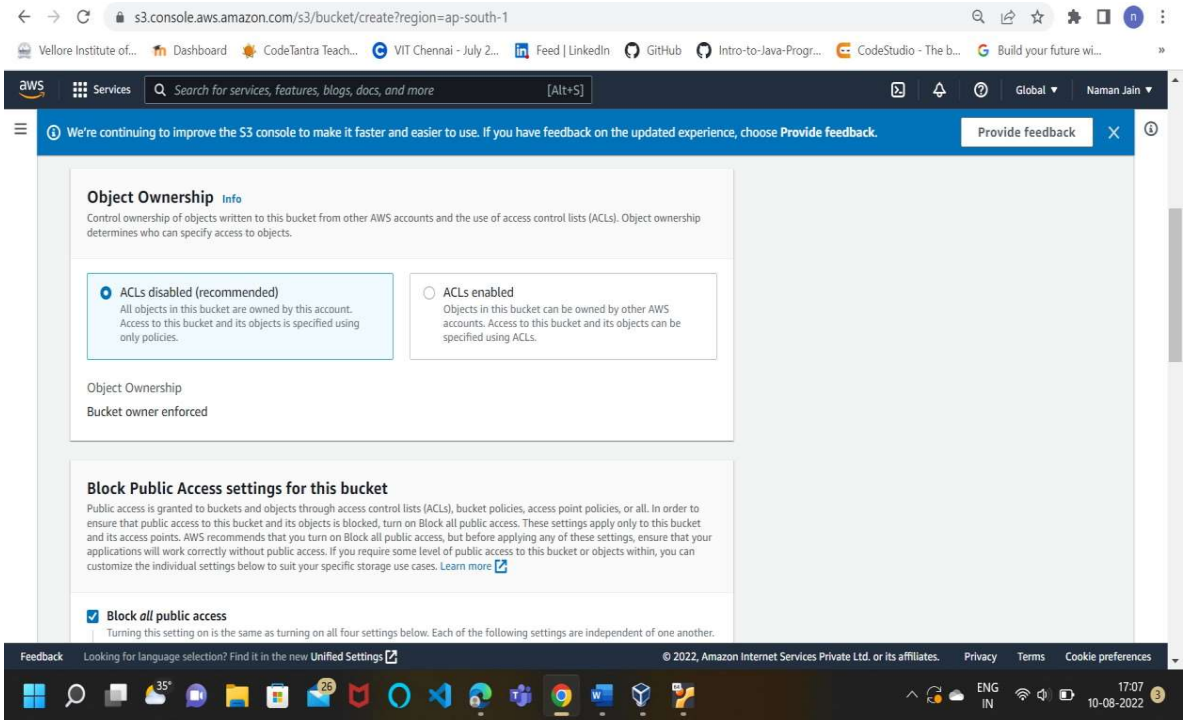


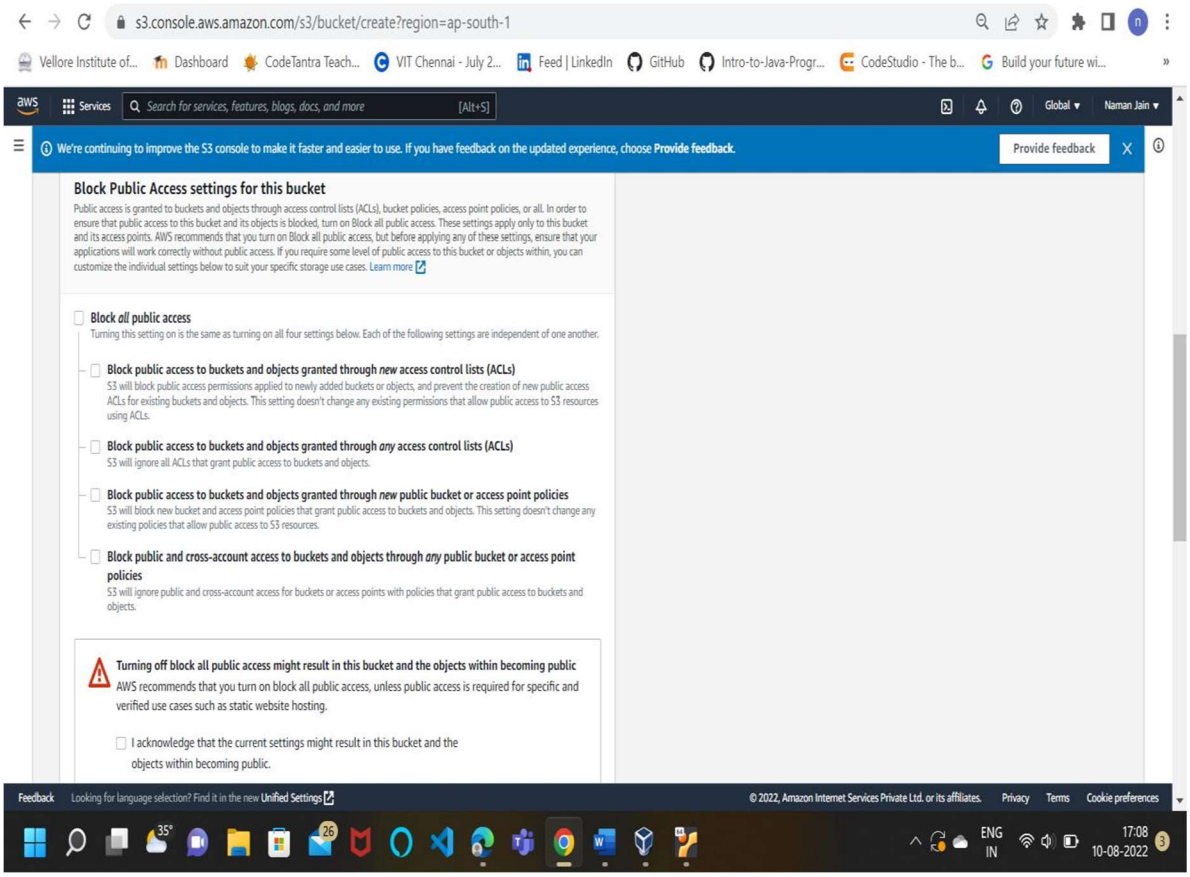
Search in the search box for s3 and click the option and then click on create bucket option

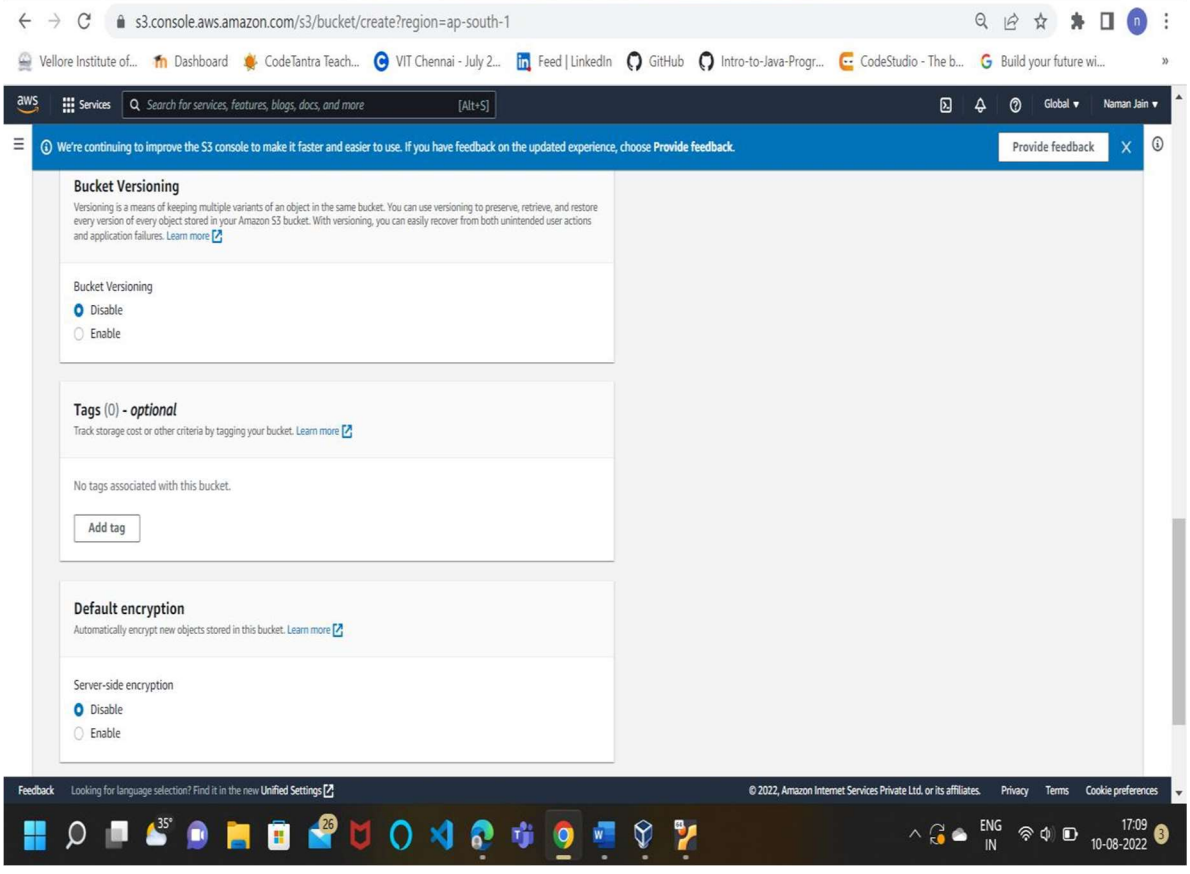


Now fill in the bucket name

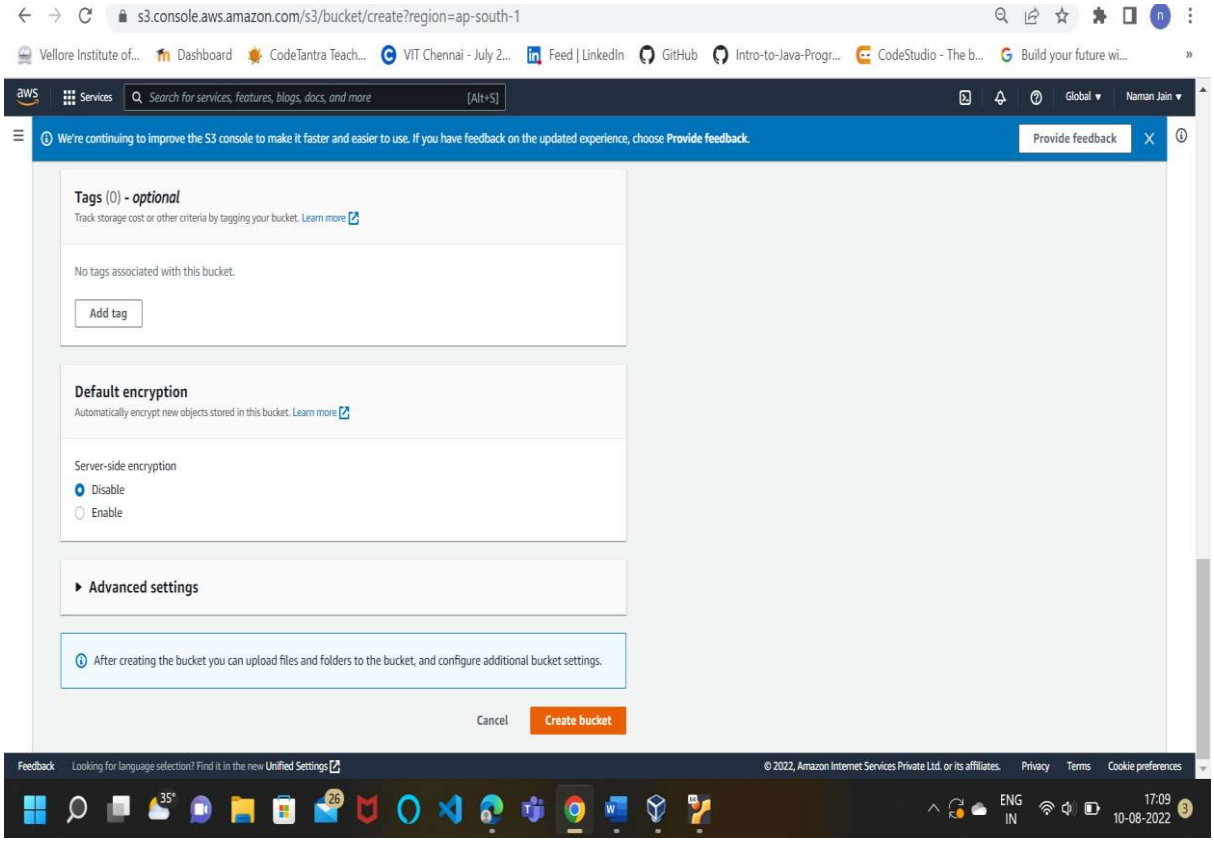




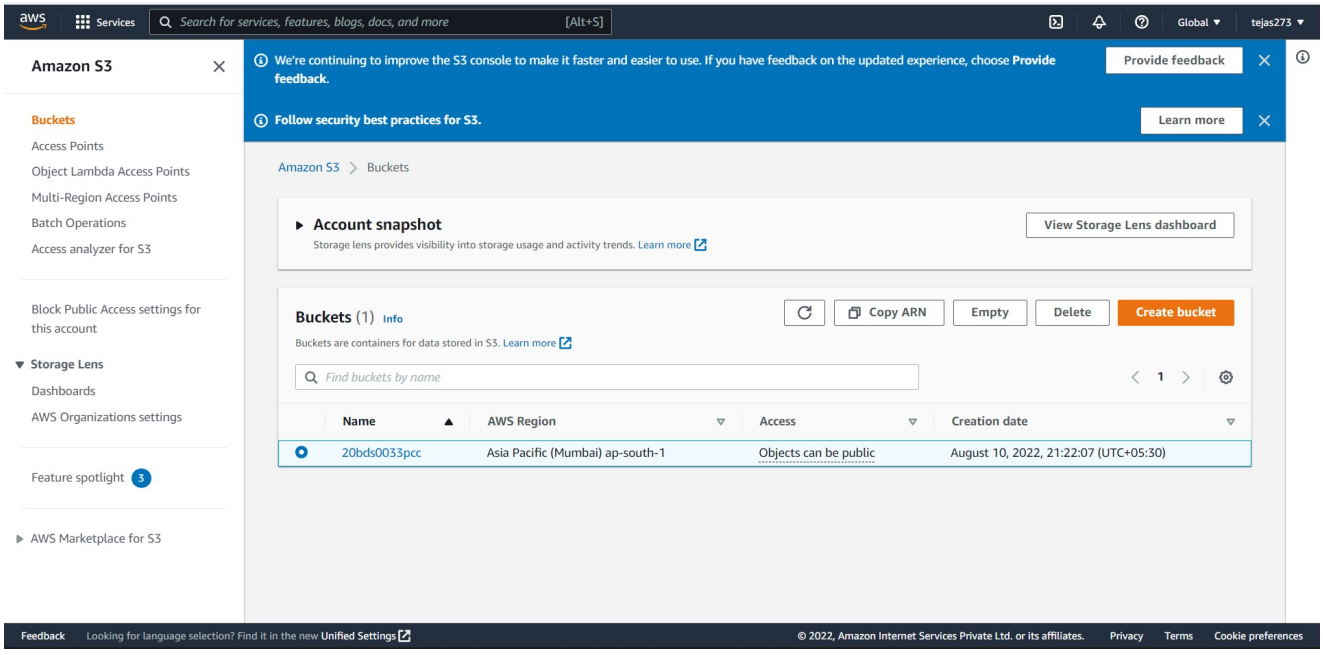

s3.console.aws.amazon.com/s3/bucket/create?region=ap-south-1
Vellore Institute of...
Dashboard
CodeTantra Teach...
VIT Chennai - July 2...
Feed | LinkedIn
GitHub
Intro-to-Java-Progr...
CodeStudio - The b...
Build your future wi...
Services
Search for services, features, blogs, docs, and more
[Alt+S]
Global
Naman Jain
We're continuing to improve the S3 console to make it faster and easier to use. If you have feedback on the updated experience, choose Provide feedback.
Provide feedback
Block Public Access settings for this bucket
Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or all. In order to ensure that public access to this bucket and its objects is blocked, turn on Block all public access. These settings apply only to this bucket and its access points. AWS recommends that you turn on Block all public access, but before applying any of these settings, ensure that your applications will work correctly without public access. If you require some level of public access to this bucket or objects within, you can customize the individual settings below to suit your specific storage use cases. Learn more
Block all public access
Turning this setting on is the same as turning on all four settings below. Each of the following settings are independent of one another.
Block public access to buckets and objects granted through new access control lists (ACLs)
S3 will block public access permissions applied to newly added buckets or objects, and prevent the creation of new public access ACLs for existing buckets and objects. This setting doesn't change any existing permissions that allow public access to S3 resources using ACLs.
Block public access to buckets and objects granted through any access control lists (ACLs)
S3 will ignore all ACLs that grant public access to buckets and objects.
Block public access to buckets and objects granted through new public bucket or access point policies
S3 will block new bucket and access point policies that grant public access to buckets and objects. This setting doesn't change any existing policies that allow public access to S3 resources.
Block public and cross-account access to buckets and objects through any public bucket or access point policies
S3 will ignore public and cross-account access for buckets or access points with policies that grant public access to buckets and objects.
Turning off block all public access might result in this bucket and the objects within becoming public
AWS recommends that you turn on block all public access, unless public access is required for specific and verified use cases such as static website hosting.
I acknowledge that the current settings might result in this bucket and the objects within becoming public.
Feedback
Looking for language selection? Find it in the new Unified Settings
© 2022, Amazon Internet Services Private Ltd. or its affiliates.
Privacy
Terms
Cookie preferences
ENG
IN
17:08
10-08-2022

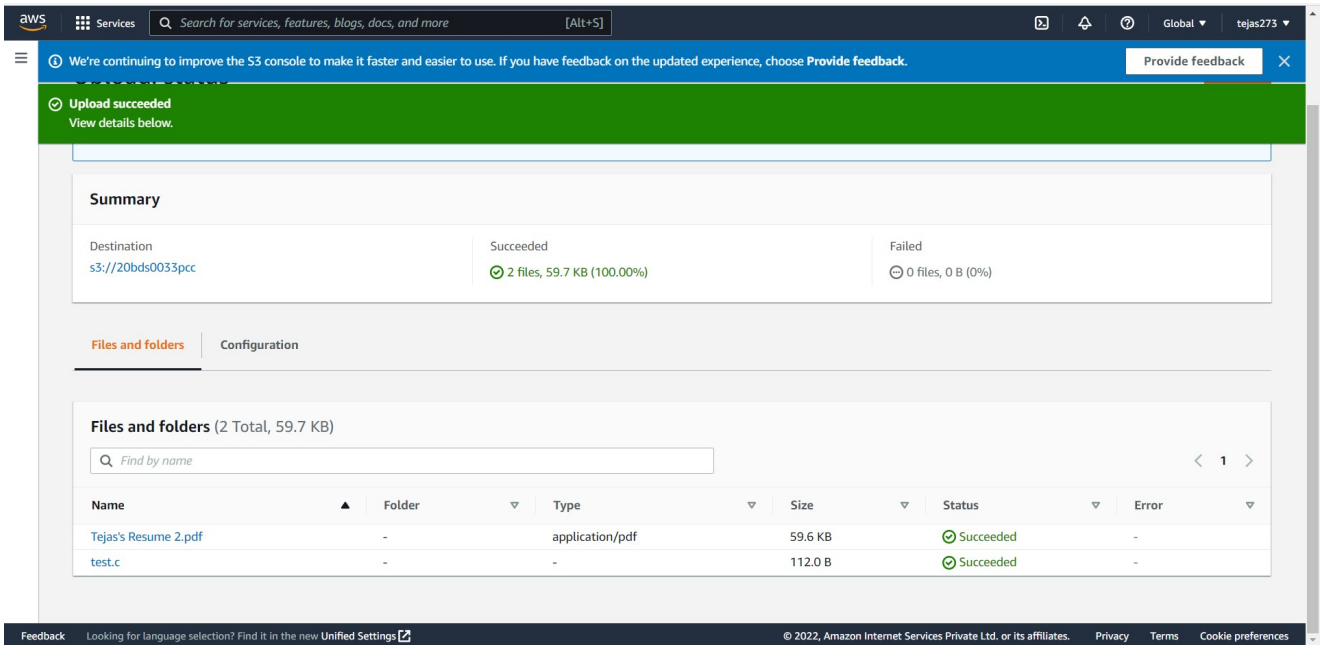

s3.console.aws.amazon.com/s3/bucket/create?region=ap-south-1
Vellore Institute of...
Dashboard
CodeTantra Teach...
VIT Chennai - July 2...
Feed | LinkedIn
GitHub
Intro-to-Java-Progr...
CodeStudio - The b...
Build your future wi...
Services
Search for services, features, blogs, docs, and more
[Alt+S]
Global
Naman Jain
We're continuing to improve the S3 console to make it faster and easier to use. If you have feedback on the updated experience, choose Provide feedback.
Provide feedback
Bucket Versioning
Versioning is a means of keeping multiple variants of an object in the same bucket. You can use versioning to preserve, retrieve, and restore every version of every object stored in your Amazon S3 bucket. With versioning, you can easily recover from both unintended user actions and application failures. Learn more
Bucket Versioning
Disable
Enable
Tags (0) - optional
Track storage cost or other criteria by tagging your bucket. Learn more
No tags associated with this bucket.
Add tag
Default encryption
Automatically encrypt new objects stored in this bucket. Learn more
Server-side encryption
Disable
Enable
Feedback
Looking for language selection? Find it in the new Unified Settings
© 2022, Amazon Internet Services Private Ltd. or its affiliates.
Privacy
Terms
Cookie preferences
ENG
IN
17:09
10-08-2022

Now click on create bucket

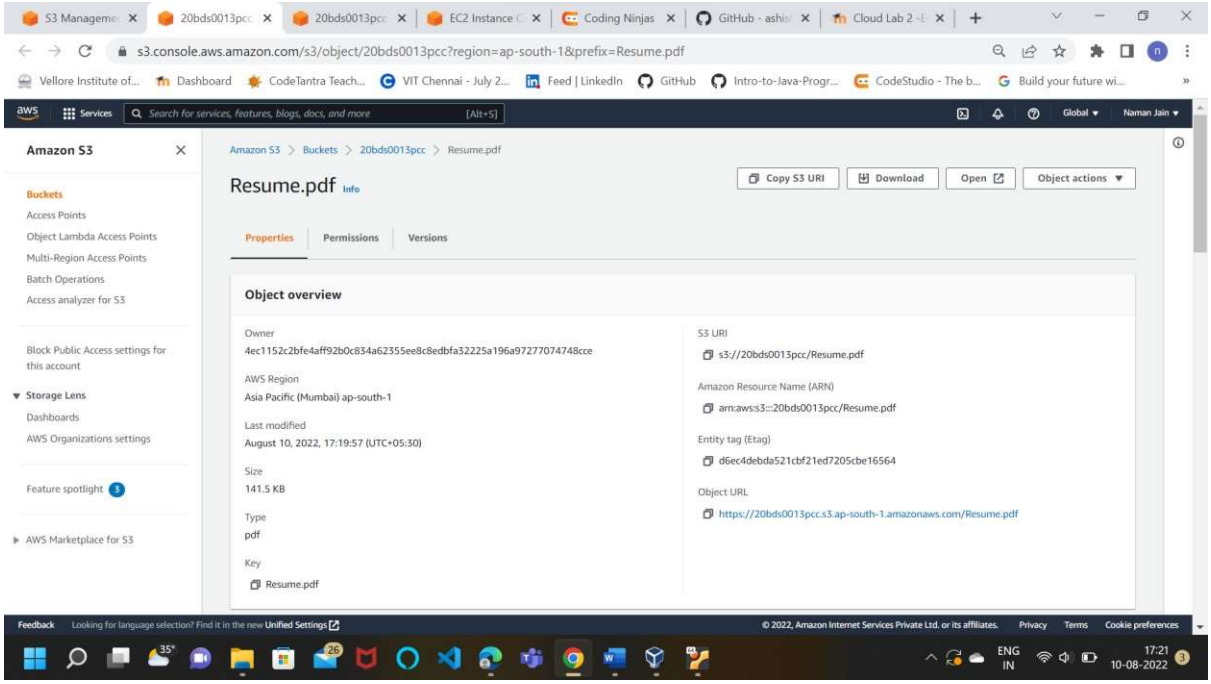


Create bucket

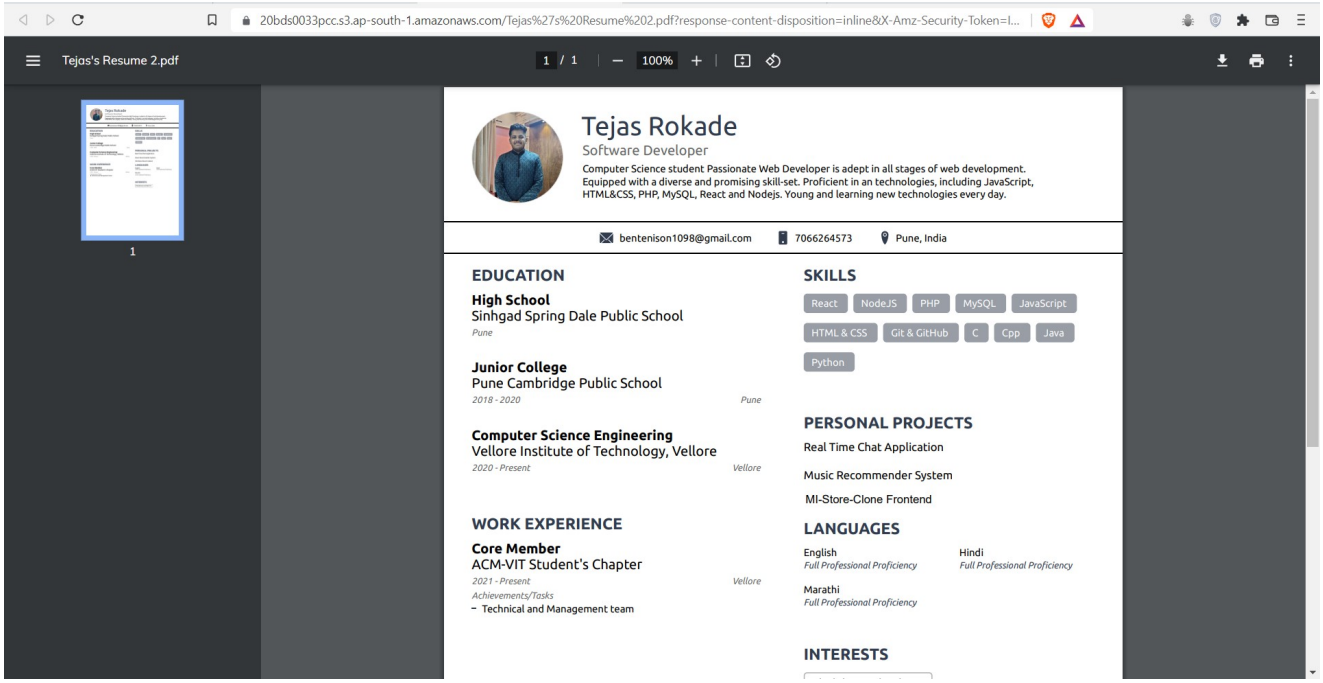



aws
Services
Search for services, features, blogs, docs, and more
[Alt+S]
Global
tejas273
We're continuing to improve the S3 console to make it faster and easier to use. If you have feedback on the updated experience, choose Provide feedback.
Provide feedback
Upload succeeded
View details below.
Summary
Destination
s3://20bds0033pcc
Succeeded
2 files, 59.7 KB (100.00%)
Failed
0 files, 0 B (0%)
Files and folders
Configuration
Files and folders (2 Total, 59.7 KB)
Find by name
1
Name
Folder
Type
Size
Status
Error
Tejas's Resume 2.pdf
-
application/pdf
59.6 KB
Succeeded
-
test.c
-
-
112.0 B
Succeeded
-
Feedback
Looking for language selection? Find it in the new Unified Settings
© 2022, Amazon Internet Services Private Ltd. or its affiliates.
Privacy
Terms
Cookie preferences

Click on open to open file on aws



Now copy the url and can use to open the file on cloud



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