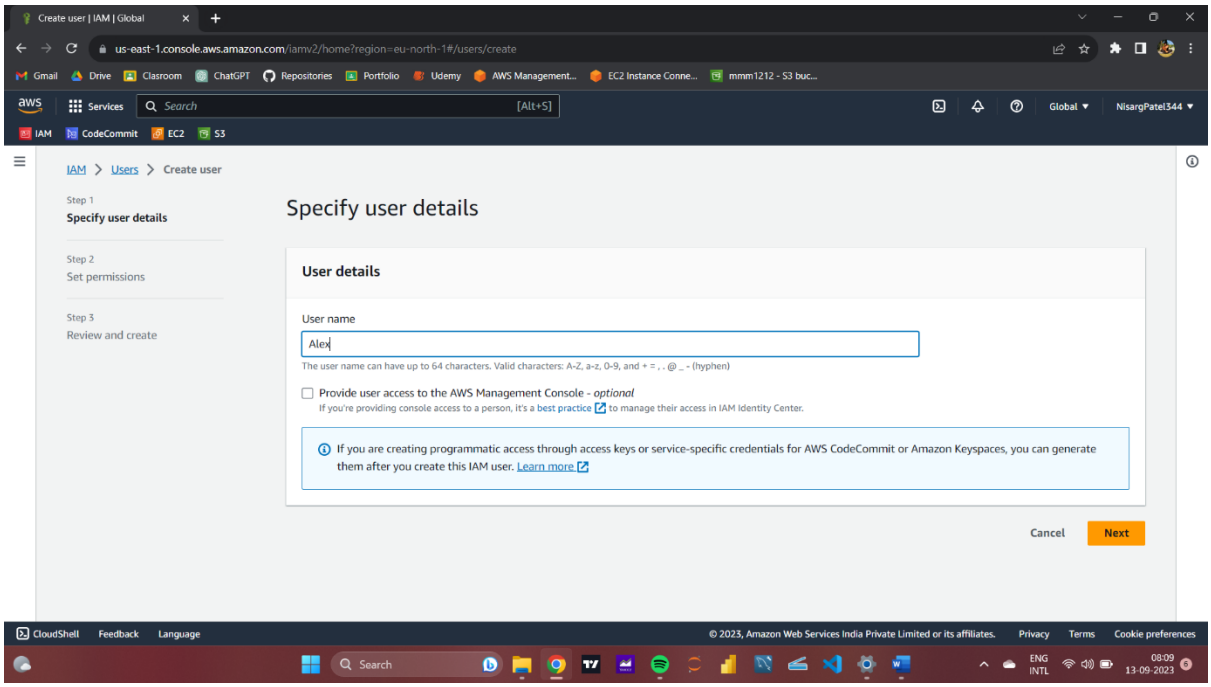
Q.1

A


Create user | IAM | Global
us-east-1.console.aws.amazon.com/iamv2/home?region=eu-north-1#/users/create
IAM > Users > Create user
Step 1
Specify user details
Step 2
Set permissions
Step 3
Review and create
Specify user details
User details
User name
Alex
The user name can have up to 64 characters. Valid characters: A-Z, a-z, 0-9, and + = , . @ _ - (hyphen)
Provide user access to the AWS Management Console - optional
If you're providing console access to a person, it's a best practice to manage their access in IAM Identity Center.
If you are creating programmatic access through access keys or service-specific credentials for AWS CodeCommit or Amazon Keyspaces, you can generate them after you create this IAM user. Learn more
Cancel
Next
CloudShell
Feedback
Language
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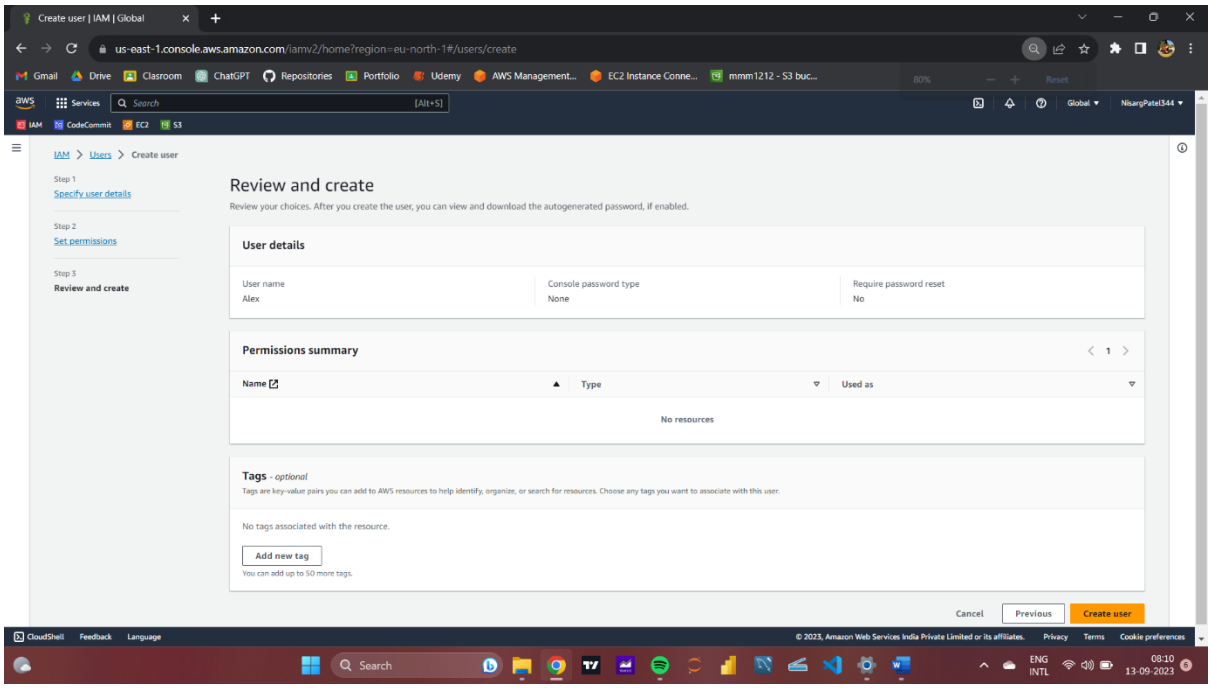
Create user | IAM | Global
us-east-1.console.aws.amazon.com/iamv2/home?region=eu-north-1#/users/create
IAM > Users > Create user
Step 1
Specify user details
Step 2
Set permissions
Step 3
Review and create
Review and create
Review your choices. After you create the user, you can view and download the autogenerated password, if enabled.
User details
User name
Alex
Console password type
None
Require password reset
No
Permissions summary
Name
Type
Used as
No resources
Tags - optional
Tags are key-value pairs you can add to AWS resources to help identify, organize, or search for resources. Choose any tags you want to associate with this user.
No tags associated with the resource.
Add new tag
You can add up to 50 more tags.
Cancel
Previous
Create user
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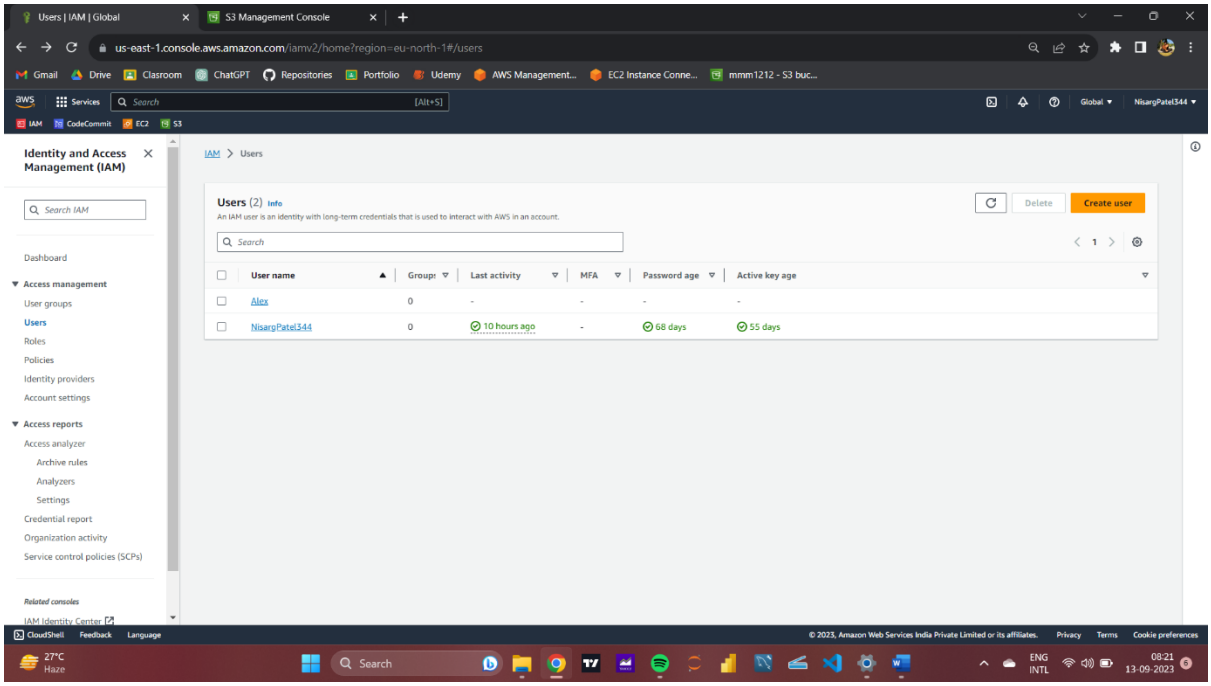
Users | IAM | Global
S3 Management Console
us-east-1.console.aws.amazon.com/iamv2/home?region=eu-north-1#/users
Identity and Access Management (IAM)
Search IAM
Dashboard
Access management
User groups
Users
Roles
Policies
Identity providers
Account settings
Access reports
Access analyzer
Archive rules
Analyzers
Settings
Credential report
Organization activity
Service control policies (SCPs)
IAM Identity Center
IAM > Users
Users (2) Info
An IAM user is an identity with long-term credentials that is used to interact with AWS in an account.
Delete
Create user
Search
User name
Groups
Last activity
MFA
Password age
Active key age
Alex
0
-
-
-
-
NisargPatel344
0
10 hours ago
-
68 days
55 days
CloudShell
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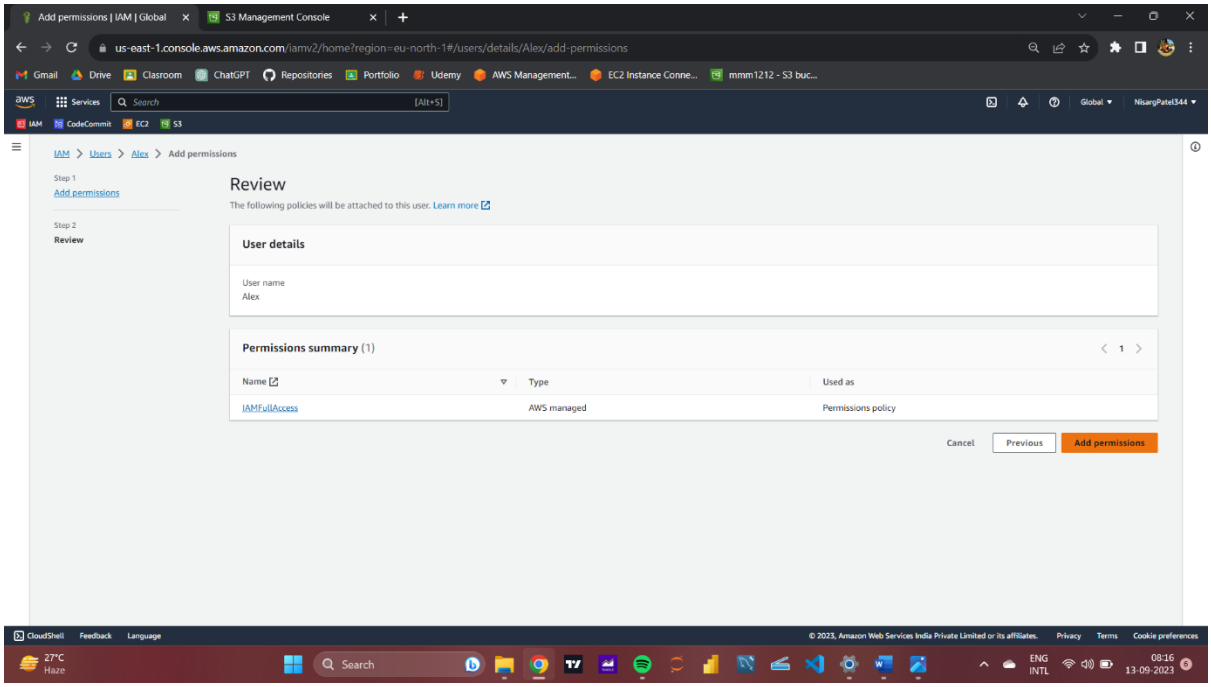
27°C
Haze
Search
ENG
INTL
08:21
13-09-2023


Add permissions | IAM | Global
S3 Management Console
us-east-1.console.aws.amazon.com/iamv2/home?region=eu-north-1#/users/details/Alex/add-permissions
IAM > Users > Alex > Add permissions
Step 1
Add permissions
Step 2
Review
Review
The following policies will be attached to this user. Learn more
User details
User name
Alex
Permissions summary (1)
Name
Type
Used as
IAMFullAccess
AWS managed
Permissions policy
Cancel
Previous
Add permissions
CloudShell
Feedback
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Search
ENG
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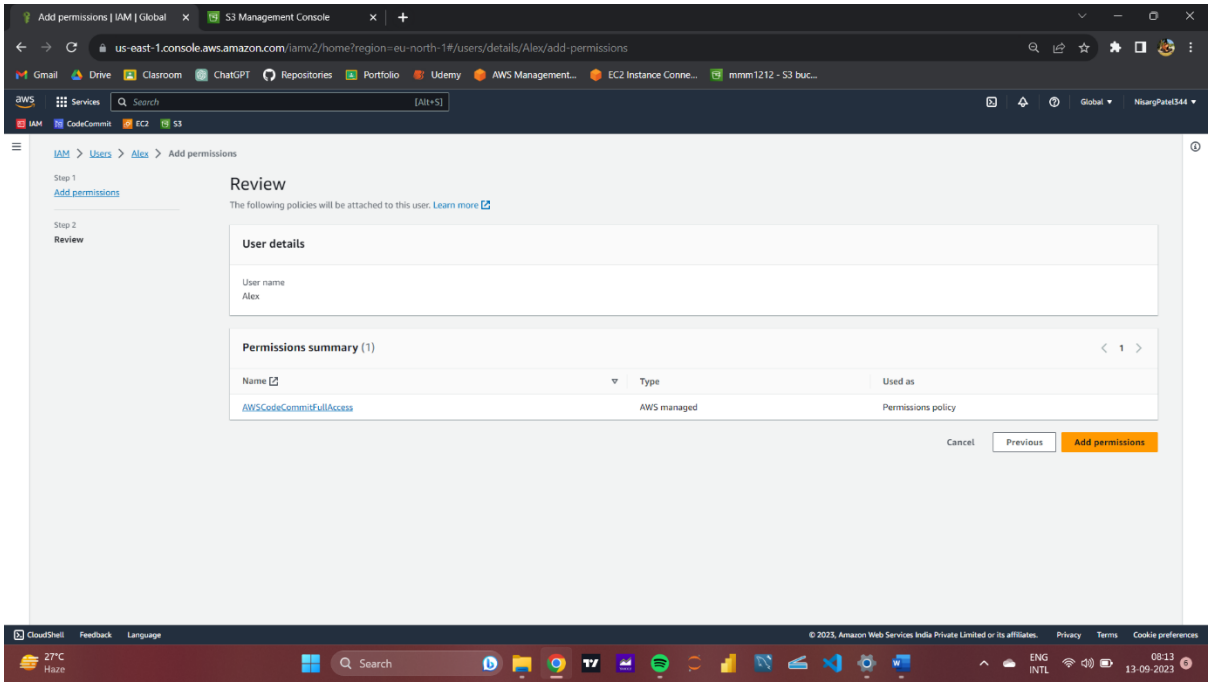
08:16
13-09-2023


Add permissions | IAM | Global
S3 Management Console
us-east-1.console.aws.amazon.com/iamv2/home?region=eu-north-1#/users/details/Alex/add-permissions
IAM > Users > Alex > Add permissions
Step 1
Add permissions
Step 2
Review
Review
The following policies will be attached to this user. Learn more
User details
User name
Alex
Permissions summary (1)
Name
Type
Used as
AWSCodeCommitFullAccess
AWS managed
Permissions policy
Cancel
Previous
Add permissions
CloudShell
Feedback
Language
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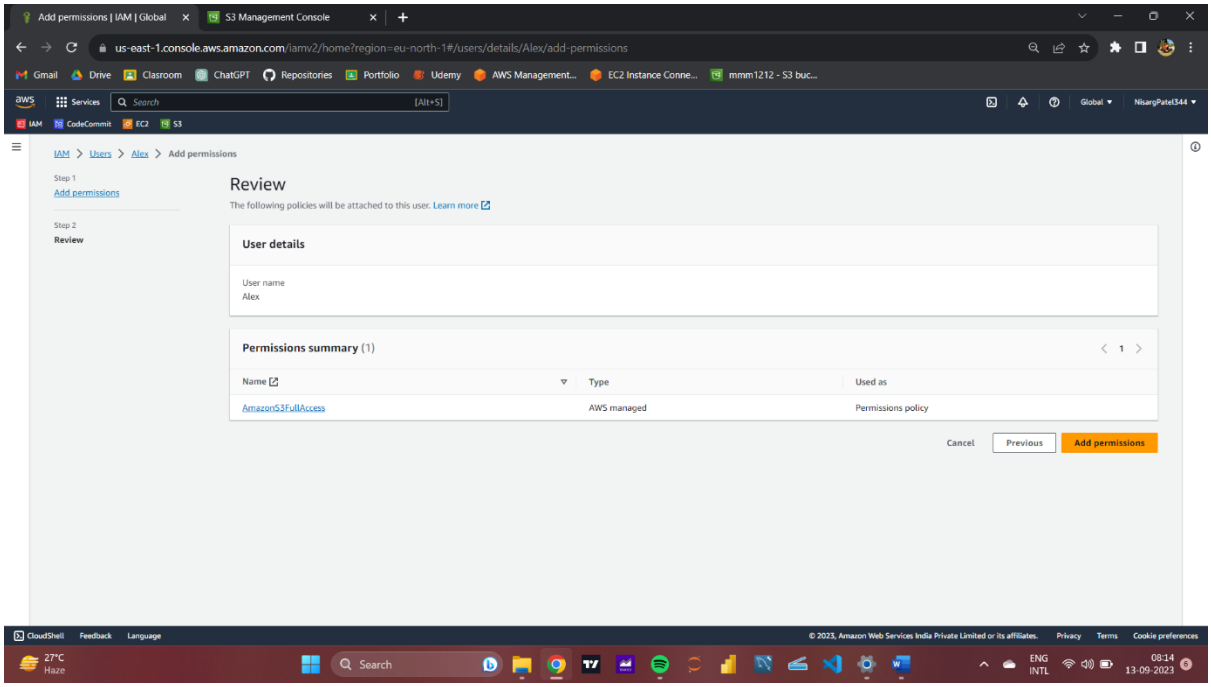
Add permissions | IAM | Global
S3 Management Console
us-east-1.console.aws.amazon.com/iamv2/home?region=eu-north-1#/users/details/Alex/add-permissions
IAM > Users > Alex > Add permissions
Step 1
Add permissions
Step 2
Review
Review
The following policies will be attached to this user. Learn more
User details
User name
Alex
Permissions summary (1)
Name
Type
Used as
AmazonS3FullAccess
AWS managed
Permissions policy
Cancel
Previous
Add permissions
CloudShell
Feedback
Language
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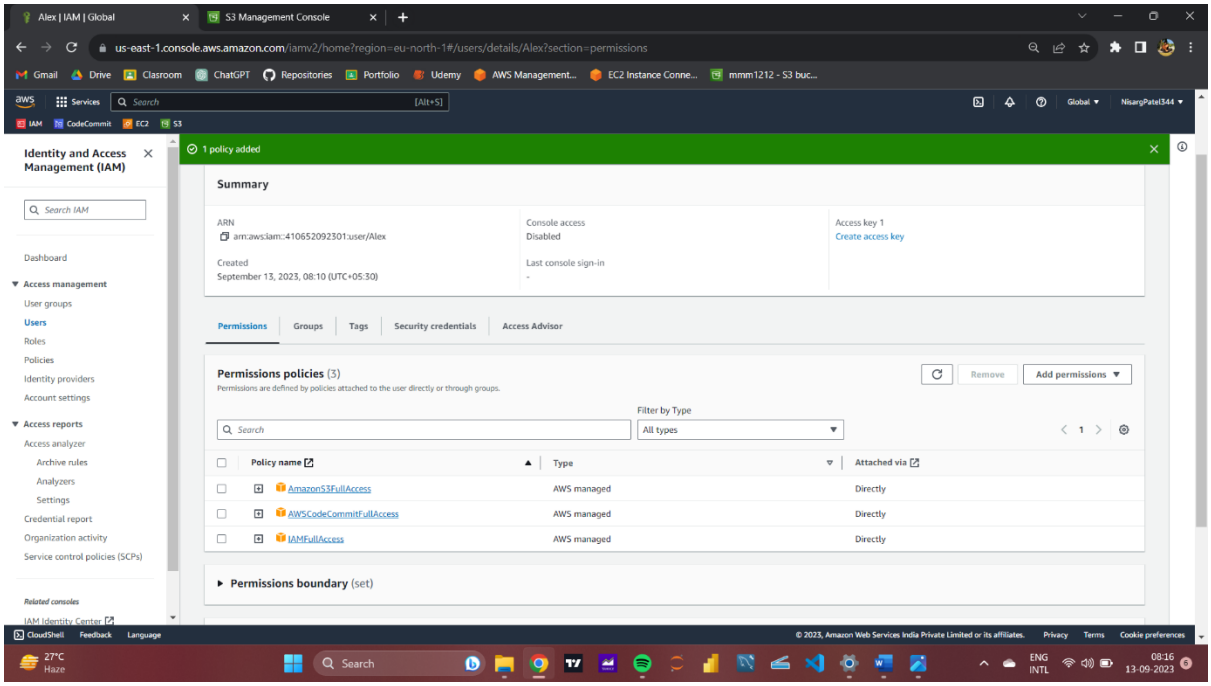
Alex | IAM | Global
S3 Management Console
us-east-1.console.aws.amazon.com/iamv2/home?region=eu-north-1#/users/details/Alex?section=permissions
Identity and Access Management (IAM)
1 policy added
Summary
ARN
arn:aws:iam::410652092301:user/Alex
Console access
Disabled
Access key 1
Create access key
Created
September 13, 2023, 08:10 (UTC+05:30)
Last console sign-in
Permissions
Groups
Tags
Security credentials
Access Advisor
Permissions policies (3)
Permissions are defined by policies attached to the user directly or through groups.
Remove
Add permissions
Filter by Type
All types
Policy name
Type
Attached via
AmazonS3FullAccess
AWS managed
Directly
AWSCodeCommitFullAccess
AWS managed
Directly
IAMFullAccess
AWS managed
Directly
Permissions boundary (set)
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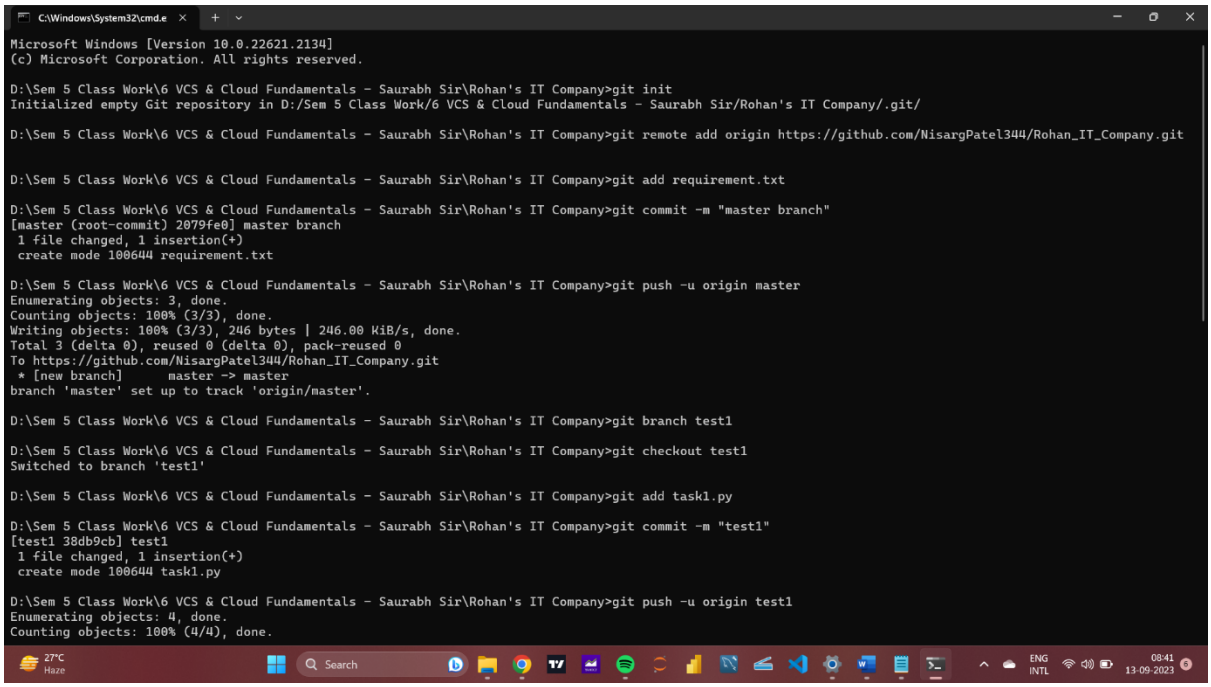
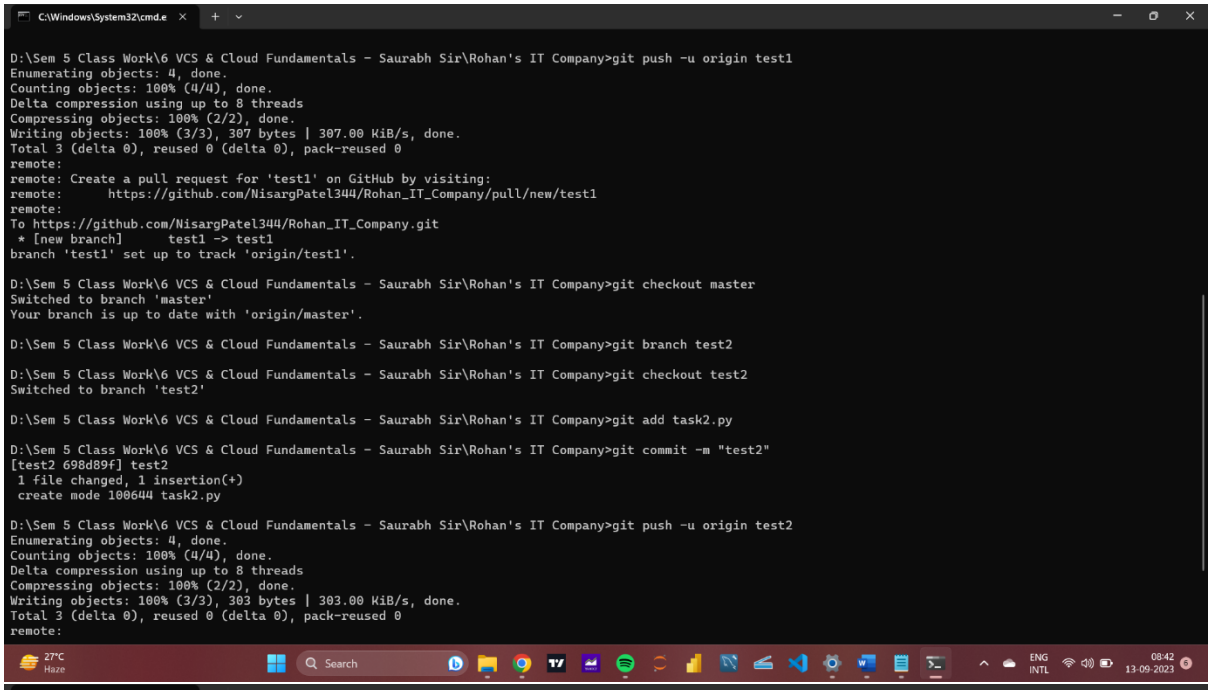
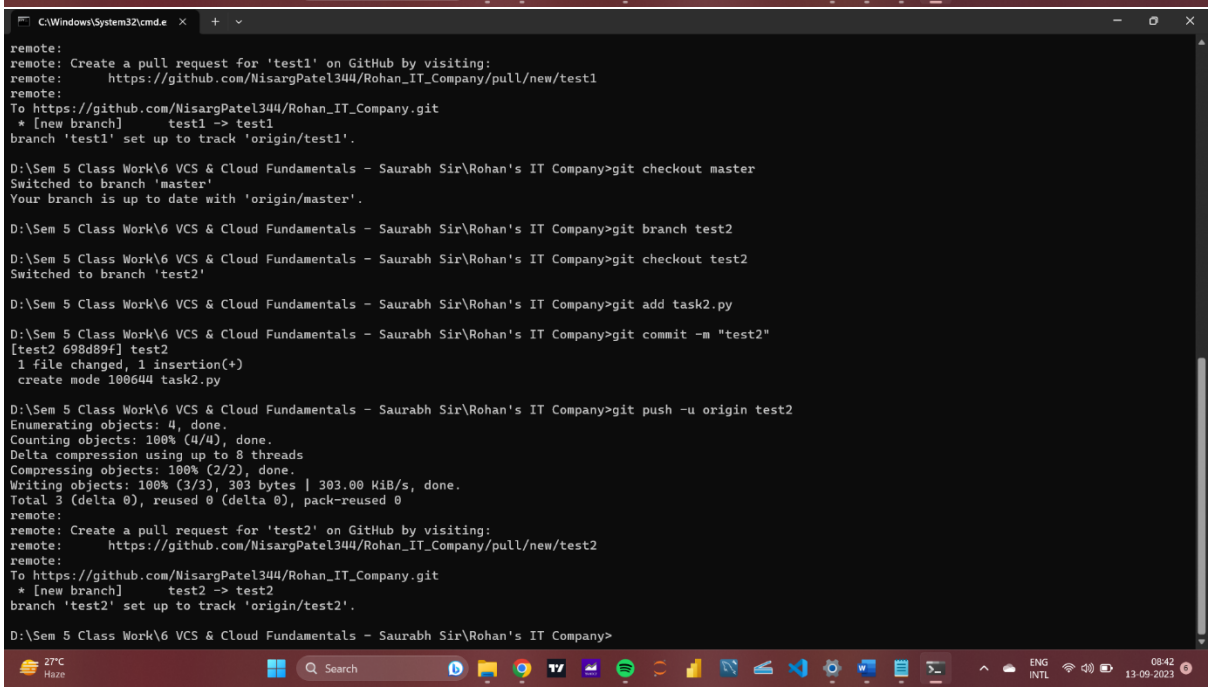
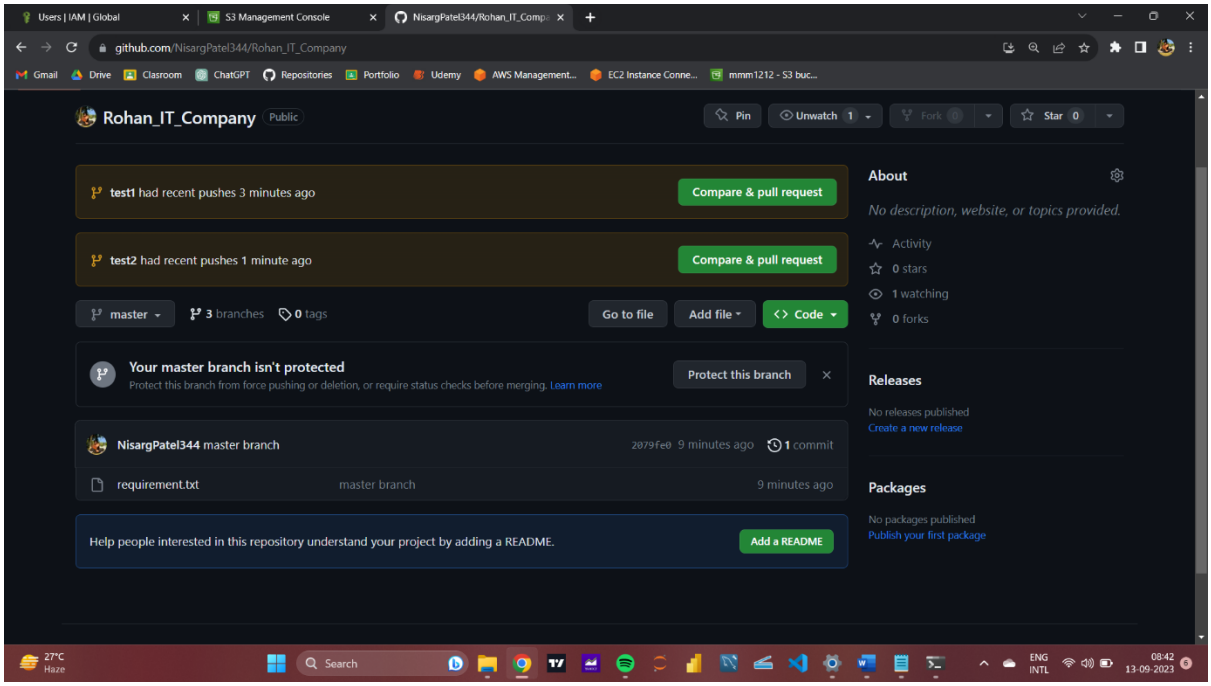
B.

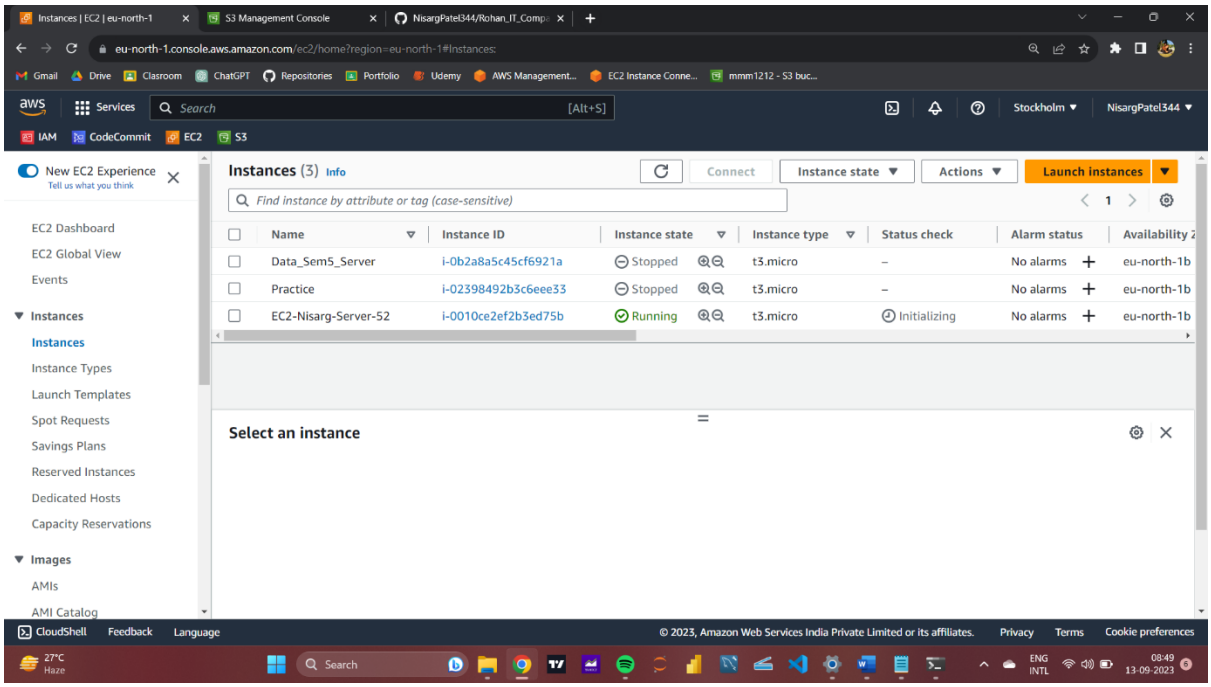

C:\Windows\System32\cmd.e
Microsoft Windows [Version 10.0.22621.2134]
(c) Microsoft Corporation. All rights reserved.
D:\Sem 5 Class Work\6 VCS & Cloud Fundamentals - Saurabh Sir\Rohan's IT Company>git init
Initialized empty Git repository in D:/Sem 5 Class Work/6 VCS & Cloud Fundamentals - Saurabh Sir/Rohan's IT Company/.git/
D:\Sem 5 Class Work\6 VCS & Cloud Fundamentals - Saurabh Sir\Rohan's IT Company>git remote add origin https://github.com/NisargPatel344/Rohan_IT_Company.git
D:\Sem 5 Class Work\6 VCS & Cloud Fundamentals - Saurabh Sir\Rohan's IT Company>git add requirement.txt
D:\Sem 5 Class Work\6 VCS & Cloud Fundamentals - Saurabh Sir\Rohan's IT Company>git commit -m "master branch"
[master (root-commit) 2079fe0] master branch
1 file changed, 1 insertion(+)
create mode 100644 requirement.txt
D:\Sem 5 Class Work\6 VCS & Cloud Fundamentals - Saurabh Sir\Rohan's IT Company>git push -u origin master
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 246 bytes | 246.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/NisargPatel344/Rohan_IT_Company.git
* [new branch] master -> master
branch 'master' set up to track 'origin/master'.
D:\Sem 5 Class Work\6 VCS & Cloud Fundamentals - Saurabh Sir\Rohan's IT Company>git branch test1
D:\Sem 5 Class Work\6 VCS & Cloud Fundamentals - Saurabh Sir\Rohan's IT Company>git checkout test1
Switched to branch 'test1'
D:\Sem 5 Class Work\6 VCS & Cloud Fundamentals - Saurabh Sir\Rohan's IT Company>git add task1.py
D:\Sem 5 Class Work\6 VCS & Cloud Fundamentals - Saurabh Sir\Rohan's IT Company>git commit -m "test1"
[test1 38db9cb] test1
1 file changed, 1 insertion(+)
create mode 100644 task1.py
D:\Sem 5 Class Work\6 VCS & Cloud Fundamentals - Saurabh Sir\Rohan's IT Company>git push -u origin test1
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
27°C
Haze
Search
ENG
INTL
08:41
13-09-2023


C:\Windows\System32\cmd.e
D:\Sem 5 Class Work\6 VCS & Cloud Fundamentals - Saurabh Sir\Rohan's IT Company>git push -u origin test1
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 307 bytes | 307.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'test1' on GitHub by visiting:
remote: https://github.com/NisargPatel344/Rohan_IT_Company/pull/new/test1
remote:
To https://github.com/NisargPatel344/Rohan_IT_Company.git
* [new branch] test1 -> test1
branch 'test1' set up to track 'origin/test1'.
D:\Sem 5 Class Work\6 VCS & Cloud Fundamentals - Saurabh Sir\Rohan's IT Company>git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.
D:\Sem 5 Class Work\6 VCS & Cloud Fundamentals - Saurabh Sir\Rohan's IT Company>git branch test2
D:\Sem 5 Class Work\6 VCS & Cloud Fundamentals - Saurabh Sir\Rohan's IT Company>git checkout test2
Switched to branch 'test2'
D:\Sem 5 Class Work\6 VCS & Cloud Fundamentals - Saurabh Sir\Rohan's IT Company>git add task2.py
D:\Sem 5 Class Work\6 VCS & Cloud Fundamentals - Saurabh Sir\Rohan's IT Company>git commit -m "test2"
[test2 698d89f] test2
1 file changed, 1 insertion(+)
create mode 100644 task2.py
D:\Sem 5 Class Work\6 VCS & Cloud Fundamentals - Saurabh Sir\Rohan's IT Company>git push -u origin test2
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 303 bytes | 303.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
27°C
Haze
Search
ENG
INTL
08:42
13-09-2023


C:\Windows\System32\cmd.e
remote:
remote: Create a pull request for 'test1' on GitHub by visiting:
remote: https://github.com/NisargPatel344/Rohan_IT_Company/pull/new/test1
remote:
To https://github.com/NisargPatel344/Rohan_IT_Company.git
* [new branch] test1 -> test1
branch 'test1' set up to track 'origin/test1'.
D:\Sem 5 Class Work\6 VCS & Cloud Fundamentals - Saurabh Sir\Rohan's IT Company>git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.
D:\Sem 5 Class Work\6 VCS & Cloud Fundamentals - Saurabh Sir\Rohan's IT Company>git branch test2
D:\Sem 5 Class Work\6 VCS & Cloud Fundamentals - Saurabh Sir\Rohan's IT Company>git checkout test2
Switched to branch 'test2'
D:\Sem 5 Class Work\6 VCS & Cloud Fundamentals - Saurabh Sir\Rohan's IT Company>git add task2.py
D:\Sem 5 Class Work\6 VCS & Cloud Fundamentals - Saurabh Sir\Rohan's IT Company>git commit -m "test2"
[test2 698d89f] test2
1 file changed, 1 insertion(+)
create mode 100644 task2.py
D:\Sem 5 Class Work\6 VCS & Cloud Fundamentals - Saurabh Sir\Rohan's IT Company>git push -u origin test2
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 303 bytes | 303.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'test2' on GitHub by visiting:
remote: https://github.com/NisargPatel344/Rohan_IT_Company/pull/new/test2
remote:
To https://github.com/NisargPatel344/Rohan_IT_Company.git
* [new branch] test2 -> test2
branch 'test2' set up to track 'origin/test2'.
D:\Sem 5 Class Work\6 VCS & Cloud Fundamentals - Saurabh Sir\Rohan's IT Company>
27°C
Haze
Search
ENG
INTL
08:42
13-09-2023


Users | IAM | Global
S3 Management Console
NisargPatel344/Rohan_IT_Compa
github.com/NisargPatel344/Rohan_IT_Company
Gmail
Drive
Classroom
ChatGPT
Repositories
Portfolio
Udemy
AWS Management...
EC2 Instance Conne...
mmm1212 - S3 buc...
Rohan_IT_Company
Public
Pin
Unwatch 1
Fork 0
Star 0
test1 had recent pushes 3 minutes ago
Compare & pull request
test2 had recent pushes 1 minute ago
Compare & pull request
master
3 branches
0 tags
Go to file
Add file
Code
Your master branch isn't protected
Protect this branch from force pushing or deletion, or require status checks before merging. Learn more
Protect this branch
NisargPatel344 master branch
2079fe0 9 minutes ago
1 commit
requirement.txt
master branch
9 minutes ago
Help people interested in this repository understand your project by adding a README.
Add a README
About
No description, website, or topics provided.
Activity
0 stars
1 watching
0 forks
Releases
No releases published
Create a new release
Packages
No packages published
Publish your first package
27°C
Haze
Search
ENG
INTL
08:42
13-09-2023

C.


Instances | EC2 | eu-north-1
S3 Management Console
NisargPatel344/Rohan_IT_Comp
eu-north-1.console.aws.amazon.com/ec2/home?region=eu-north-1#Instances:
Gmail
Drive
Classroom
ChatGPT
Repositories
Portfolio
Udemy
AWS Management...
EC2 Instance Conne...
mmm1212 - S3 buc...
Services
Search
[Alt+S]
Stockholm
NisargPatel344
IAM
CodeCommit
EC2
S3
New EC2 Experience
Tell us what you think
EC2 Dashboard
EC2 Global View
Events
Instances
Instances
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Capacity Reservations
Images
AMIs
AMI Catalog
Instances (3) Info
Connect
Instance state
Actions
Launch instances
Find instance by attribute or tag (case-sensitive)
Name
Instance ID
Instance state
Instance type
Status check
Alarm status
Availability
Data_Sem5_Server
i-0b2a8a5c45cf6921a
Stopped
t3.micro
–
No alarms
eu-north-1b
Practice
i-02398492b3c6eee33
Stopped
t3.micro
–
No alarms
eu-north-1b
EC2-Nisarg-Server-52
i-0010ce2ef2b3ed75b
Running
t3.micro
Initializing
No alarms
eu-north-1b
Select an instance
CloudShell
Feedback
Language
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27°C
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ENG
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08:49
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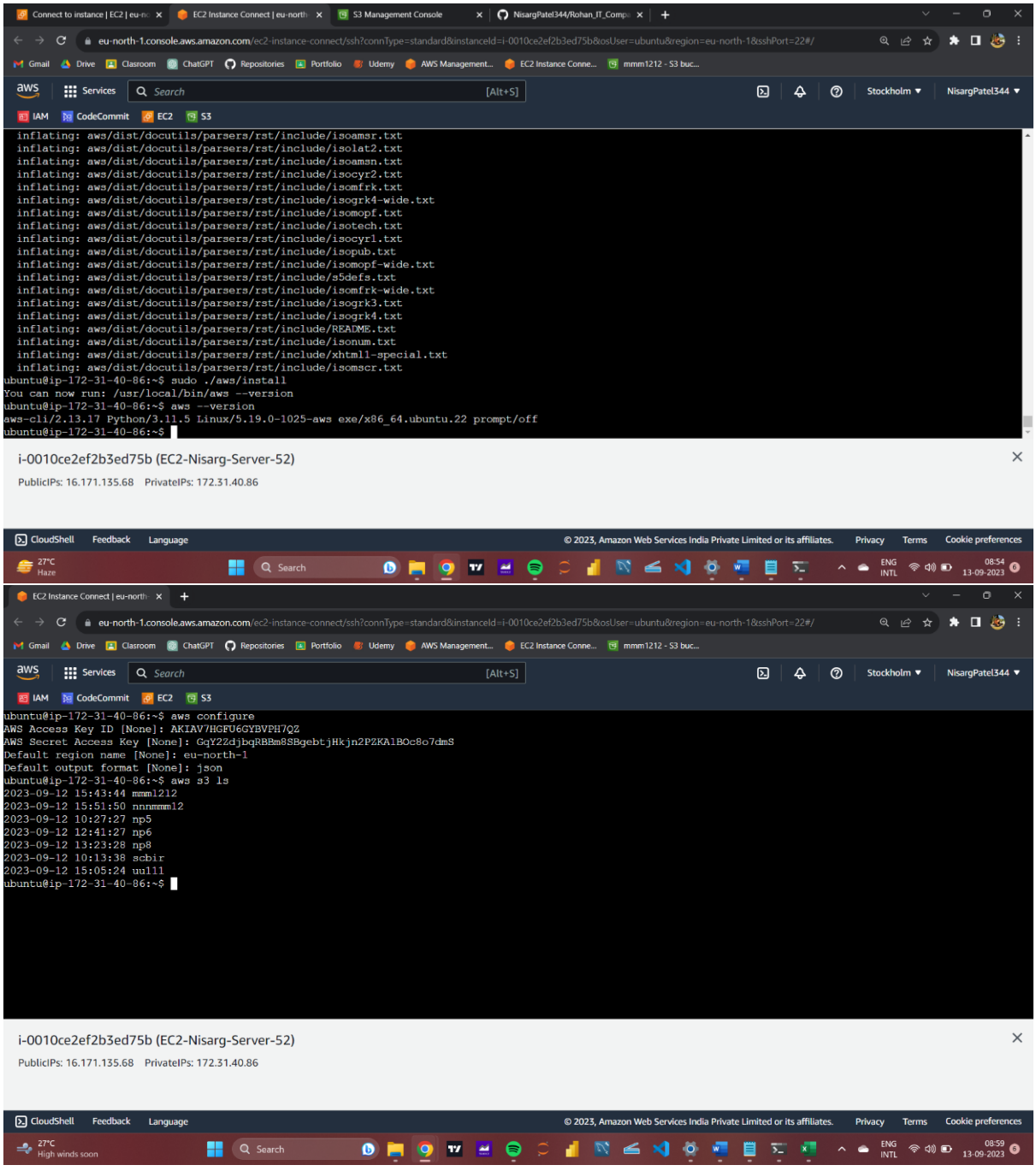
Connect to instance | EC2 | eu-n
EC2 Instance Connect | eu-north
S3 Management Console
NisargPatel344/Rohan_IT_Comp
eu-north-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-0010ce2ef2b3ed75b&osUser=ubuntu&region=eu-north-1&sshPort=22#/
Gmail
Drive
Classroom
ChatGPT
Repositories
Portfolio
Udemy
AWS Management...
EC2 Instance Conne...
mmm1212 - S3 buc...
Services
Search
[Alt+S]
Stockholm
NisargPatel344
IAM
CodeCommit
EC2
S3
inflating: aws/dist/docutils/parsers/rst/include/isoamsr.txt
inflating: aws/dist/docutils/parsers/rst/include/isolat2.txt
inflating: aws/dist/docutils/parsers/rst/include/isoamsn.txt
inflating: aws/dist/docutils/parsers/rst/include/isocyr2.txt
inflating: aws/dist/docutils/parsers/rst/include/isomfrk.txt
inflating: aws/dist/docutils/parsers/rst/include/isogrk4-wide.txt
inflating: aws/dist/docutils/parsers/rst/include/isomopf.txt
inflating: aws/dist/docutils/parsers/rst/include/isotech.txt
inflating: aws/dist/docutils/parsers/rst/include/isocyr1.txt
inflating: aws/dist/docutils/parsers/rst/include/isopub.txt
inflating: aws/dist/docutils/parsers/rst/include/isomopf-wide.txt
inflating: aws/dist/docutils/parsers/rst/include/s5defs.txt
inflating: aws/dist/docutils/parsers/rst/include/isomfrk-wide.txt
inflating: aws/dist/docutils/parsers/rst/include/isogrk3.txt
inflating: aws/dist/docutils/parsers/rst/include/isogrk4.txt
inflating: aws/dist/docutils/parsers/rst/include/README.txt
inflating: aws/dist/docutils/parsers/rst/include/isonum.txt
inflating: aws/dist/docutils/parsers/rst/include/xhtml1-special.txt
inflating: aws/dist/docutils/parsers/rst/include/isomscr.txt
ubuntu@ip-172-31-40-86:~$ sudo ./aws/install
You can now run: /usr/local/bin/aws --version
ubuntu@ip-172-31-40-86:~$ aws --version
aws-cli/2.13.17 Python/3.11.5 Linux/5.19.0-1025-aws exe/x86_64.ubuntu.22 prompt/off
ubuntu@ip-172-31-40-86:~$
i-0010ce2ef2b3ed75b (EC2-Nisarg-Server-52)
PublicIPs: 16.171.135.68 PrivateIPs: 172.31.40.86
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EC2 Instance Connect | eu-north
eu-north-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-0010ce2ef2b3ed75b&osUser=ubuntu&region=eu-north-1&sshPort=22#/
Gmail
Drive
Classroom
ChatGPT
Repositories
Portfolio
Udemy
AWS Management...
EC2 Instance Conne...
mmm1212 - S3 buc...
Services
Search
[Alt+S]
Stockholm
NisargPatel344
IAM
CodeCommit
EC2
S3
ubuntu@ip-172-31-40-86:~$ aws configure
AWS Access Key ID [None]: AKIAV7HGFU6GYBVPH7Q2
AWS Secret Access Key [None]: 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
Default region name [None]: eu-north-1
Default output format [None]: json
ubuntu@ip-172-31-40-86:~$ aws s3 ls
2023-09-12 15:43:44 mmm1212
2023-09-12 15:51:50 nnnmmm12
2023-09-12 10:27:27 np5
2023-09-12 12:41:27 np6
2023-09-12 13:23:28 np8
2023-09-12 10:13:38 scbir
2023-09-12 15:05:24 uu111
ubuntu@ip-172-31-40-86:~$
i-0010ce2ef2b3ed75b (EC2-Nisarg-Server-52)
PublicIPs: 16.171.135.68 PrivateIPs: 172.31.40.86
CloudShell
Feedback
Language
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High winds soon
Search
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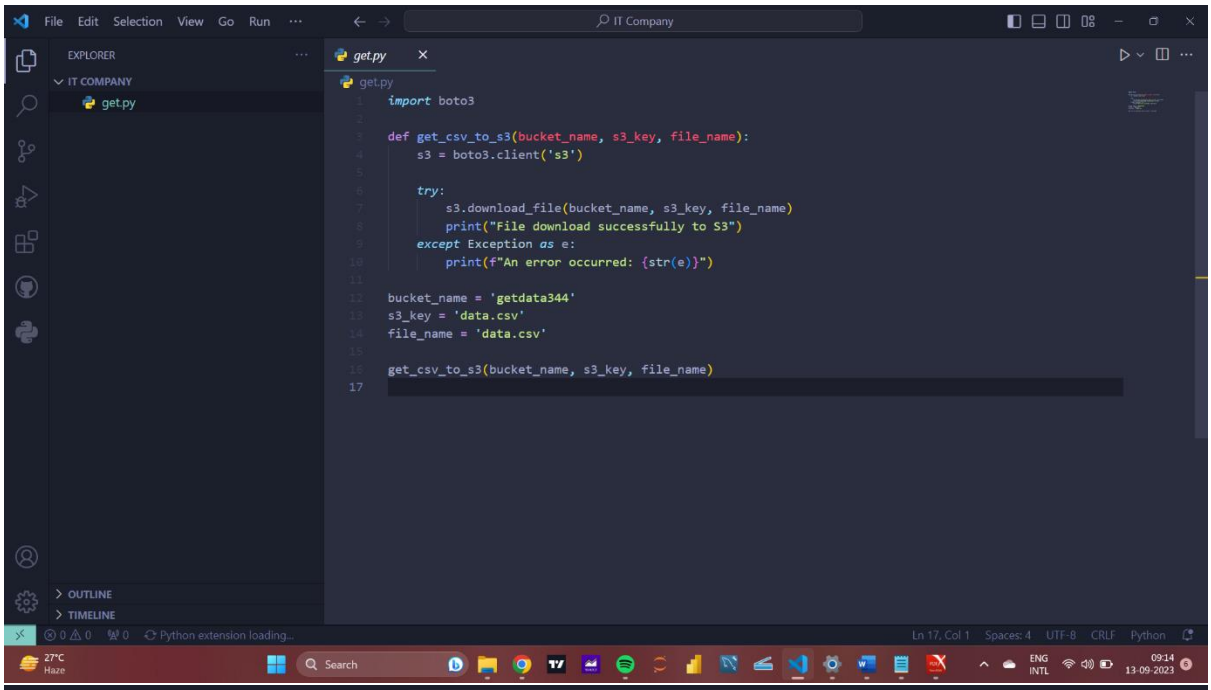
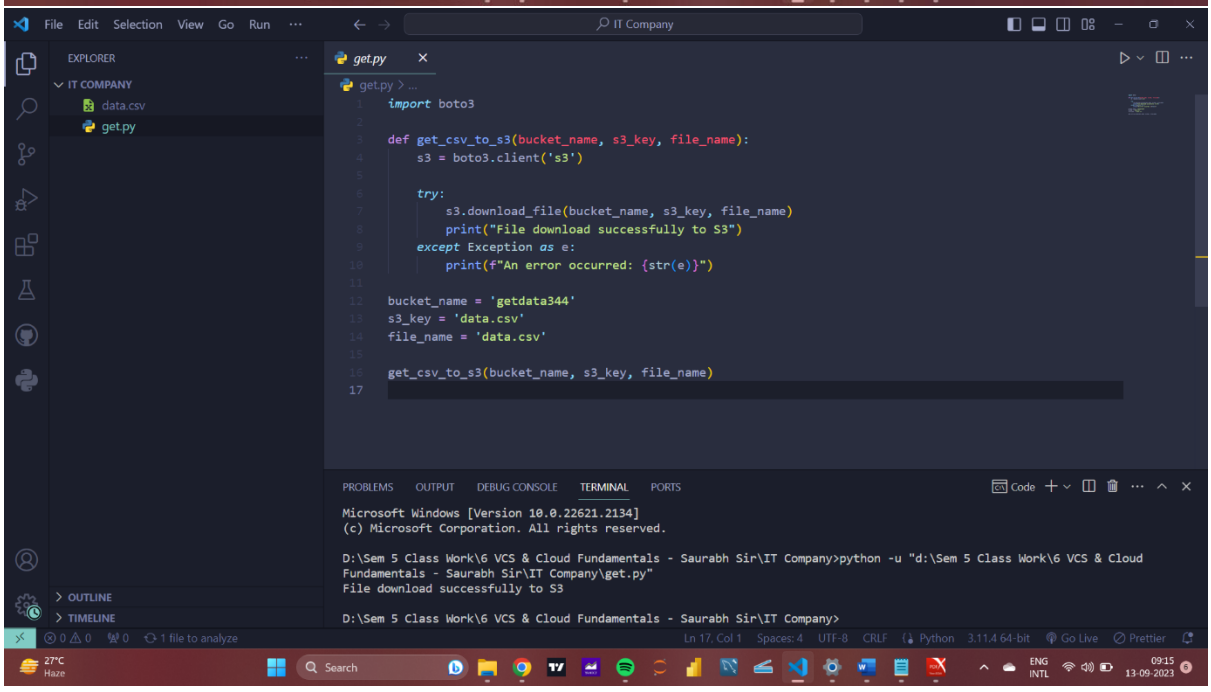
08:59
13-09-2023

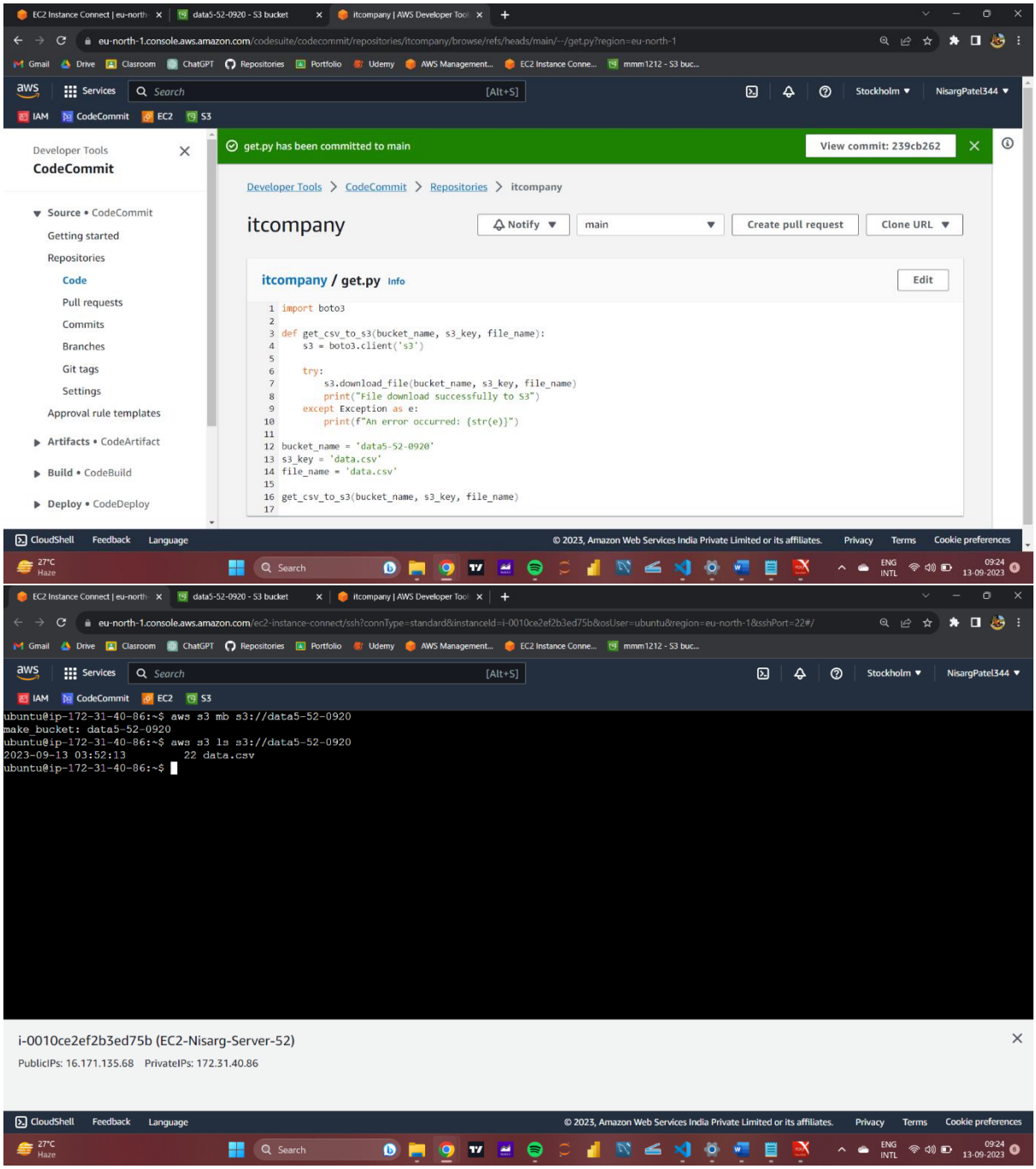
Q.2

A1


File Edit Selection View Go Run
IT Company
EXPLORER
IT COMPANY
get.py
import boto3
def get_csv_to_s3(bucket_name, s3_key, file_name):
s3 = boto3.client('s3')
try:
s3.download_file(bucket_name, s3_key, file_name)
print("File download successfully to S3")
except Exception as e:
print(f"An error occurred: {str(e)}")
bucket_name = 'getdata344'
s3_key = 'data.csv'
file_name = 'data.csv'
get_csv_to_s3(bucket_name, s3_key, file_name)
OUTLINE
TIMELINE
Python extension loading...
Ln 17, Col 1 Spaces: 4 UTF-8 CRLF Python
27°C Haze
Search
09:14 13-09-2023


File Edit Selection View Go Run
IT Company
EXPLORER
IT COMPANY
data.csv
get.py
import boto3
def get_csv_to_s3(bucket_name, s3_key, file_name):
s3 = boto3.client('s3')
try:
s3.download_file(bucket_name, s3_key, file_name)
print("File download successfully to S3")
except Exception as e:
print(f"An error occurred: {str(e)}")
bucket_name = 'getdata344'
s3_key = 'data.csv'
file_name = 'data.csv'
get_csv_to_s3(bucket_name, s3_key, file_name)
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
Microsoft Windows [Version 10.0.22621.2134]
(c) Microsoft Corporation. All rights reserved.
D:\Sem 5 Class Work\6 VCS & Cloud Fundamentals - Saurabh Sir\IT Company>python -u "d:\Sem 5 Class Work\6 VCS & Cloud Fundamentals - Saurabh Sir\IT Company\get.py"
File download successfully to S3
D:\Sem 5 Class Work\6 VCS & Cloud Fundamentals - Saurabh Sir\IT Company>
OUTLINE
TIMELINE
1 file to analyze
Ln 17, Col 1 Spaces: 4 UTF-8 CRLF Python 3.11.4 64-bit Go Live Prettier
27°C Haze
Search
09:15 13-09-2023

B


get.py has been committed to main
View commit: 239cb262
Developer Tools > CodeCommit > Repositories > itcompany
itcompany
Notify
main
Create pull request
Clone URL
itcompany / get.py Info
Edit
import boto3
def get_csv_to_s3(bucket_name, s3_key, file_name):
s3 = boto3.client('s3')
try:
s3.download_file(bucket_name, s3_key, file_name)
print("File download successfully to S3")
except Exception as e:
print(f"An error occurred: {str(e)}")
bucket_name = 'data5-52-0920'
s3_key = 'data.csv'
file_name = 'data.csv'
get_csv_to_s3(bucket_name, s3_key, file_name)
CloudShell
Feedback
Language
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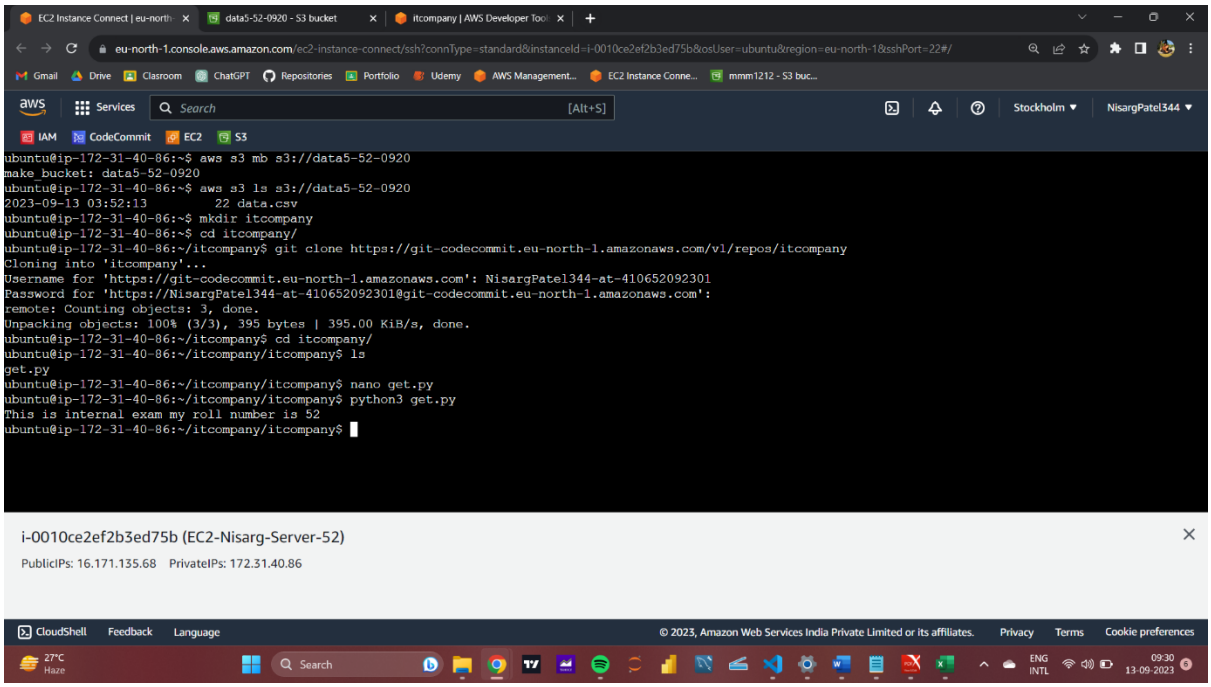
Cookie preferences

ubuntu@ip-172-31-40-86:~$ aws s3 mb s3://data5-52-0920
make_bucket: data5-52-0920
ubuntu@ip-172-31-40-86:~$ aws s3 ls s3://data5-52-0920
2023-09-13 03:52:13 22 data.csv
ubuntu@ip-172-31-40-86:~$
i-0010ce2ef2b3ed75b (EC2-Nisarg-Server-52)
PublicIPs: 16.171.135.68 PrivateIPs: 172.31.40.86
CloudShell
Feedback
Language
© 2023, Amazon Web Services India Private Limited or its affiliates.
Privacy
Terms
Cookie preferences

This screen shoot has :- Git Clone, Nano and Run