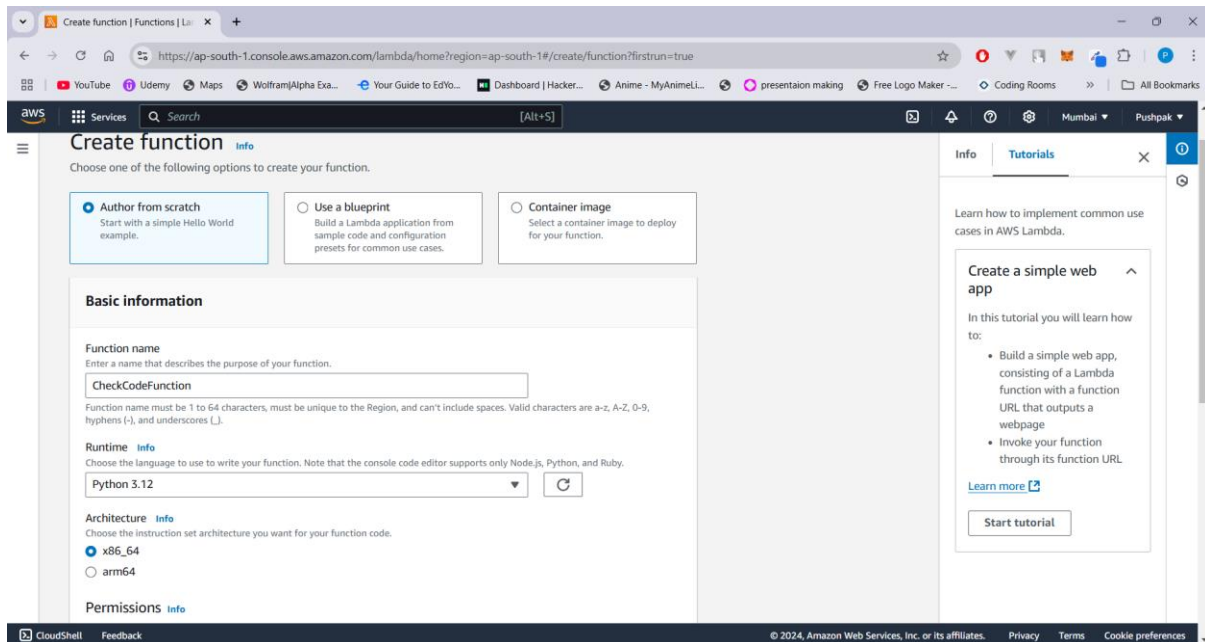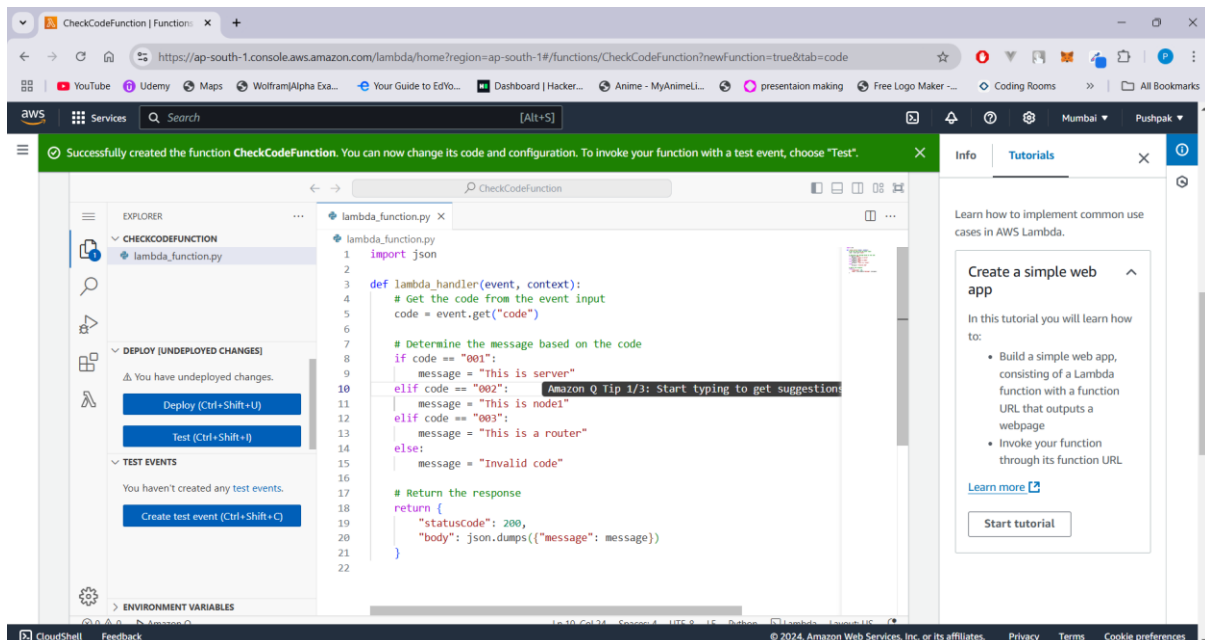# Assignment 3

Question 1

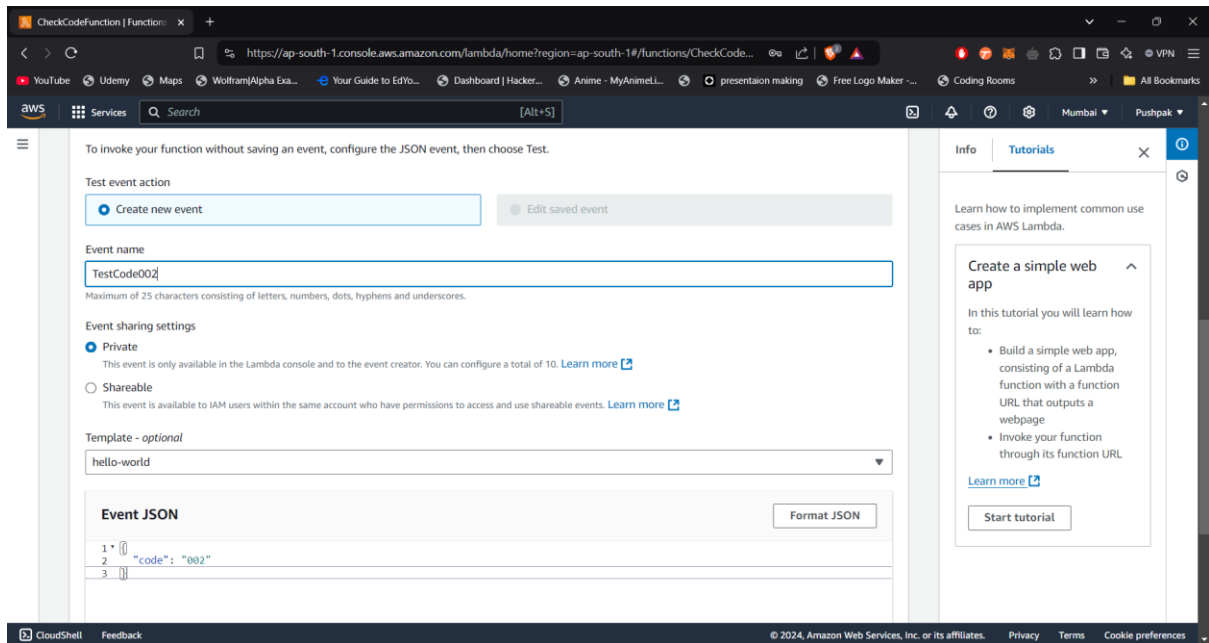## Creating lambda function

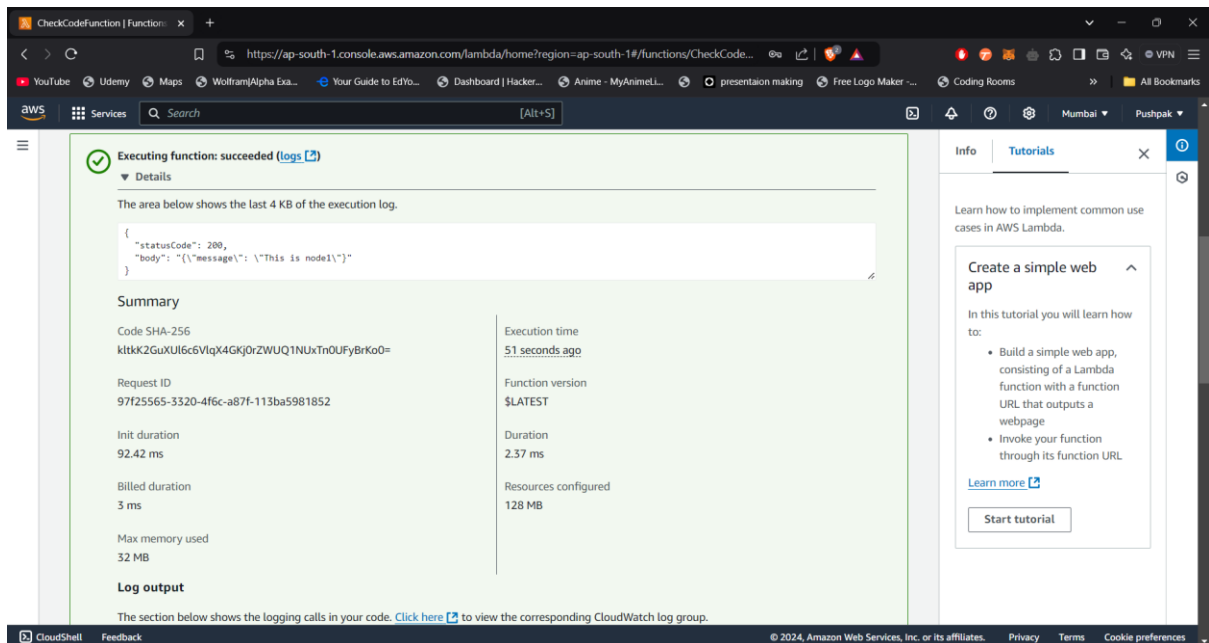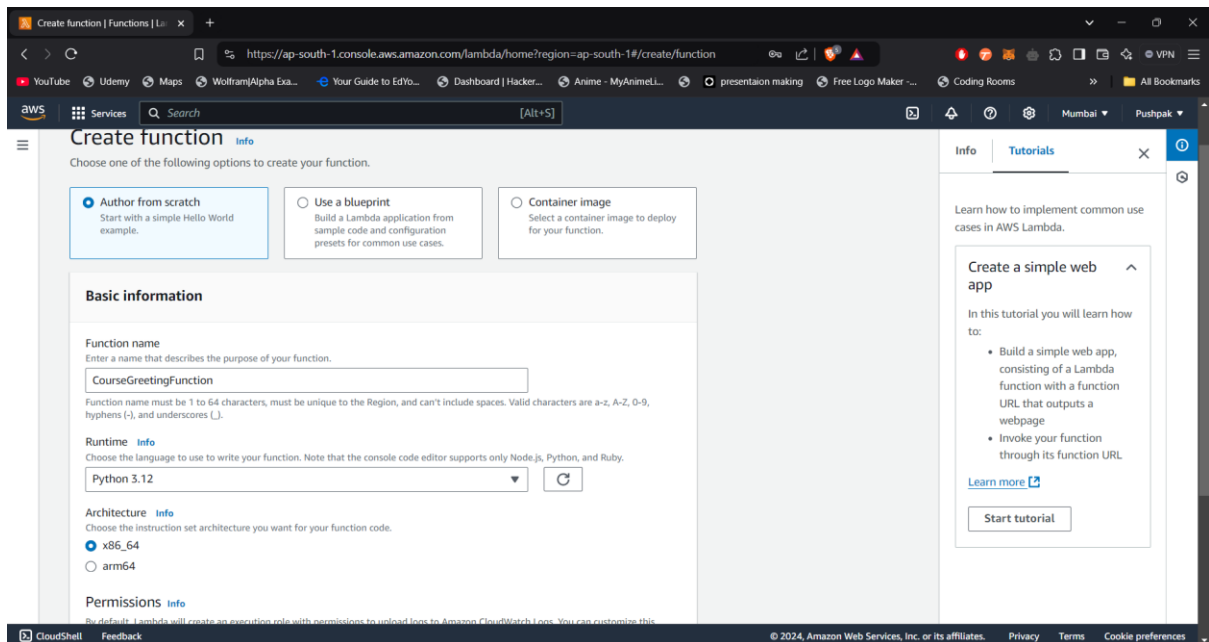## Adding new code

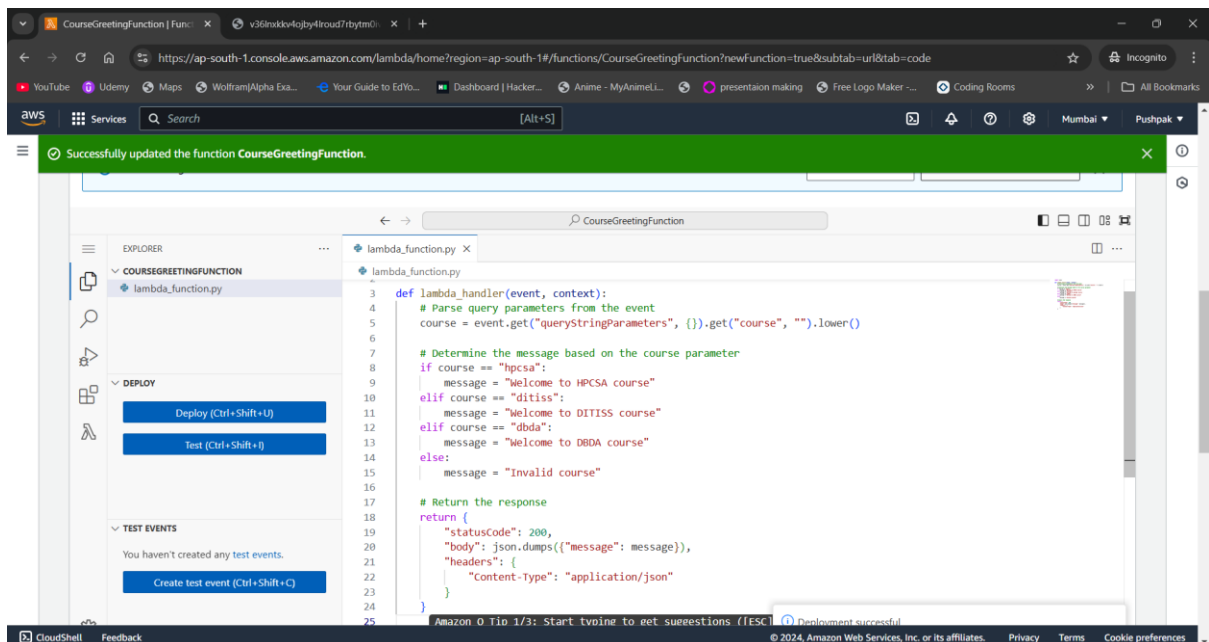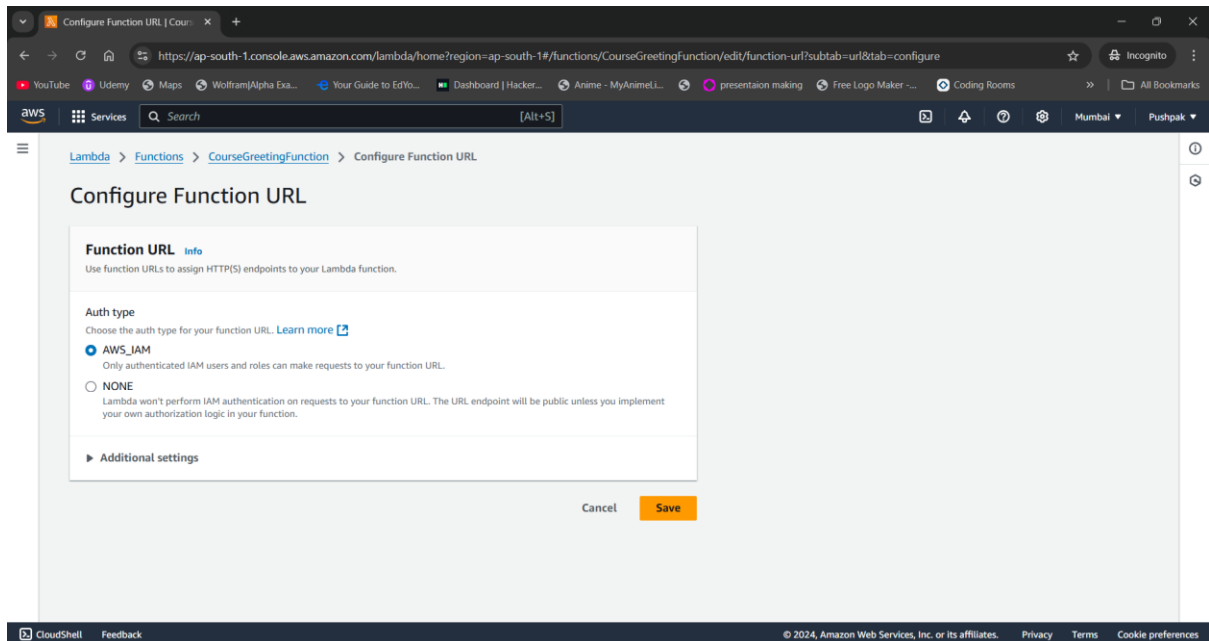# Creating test event

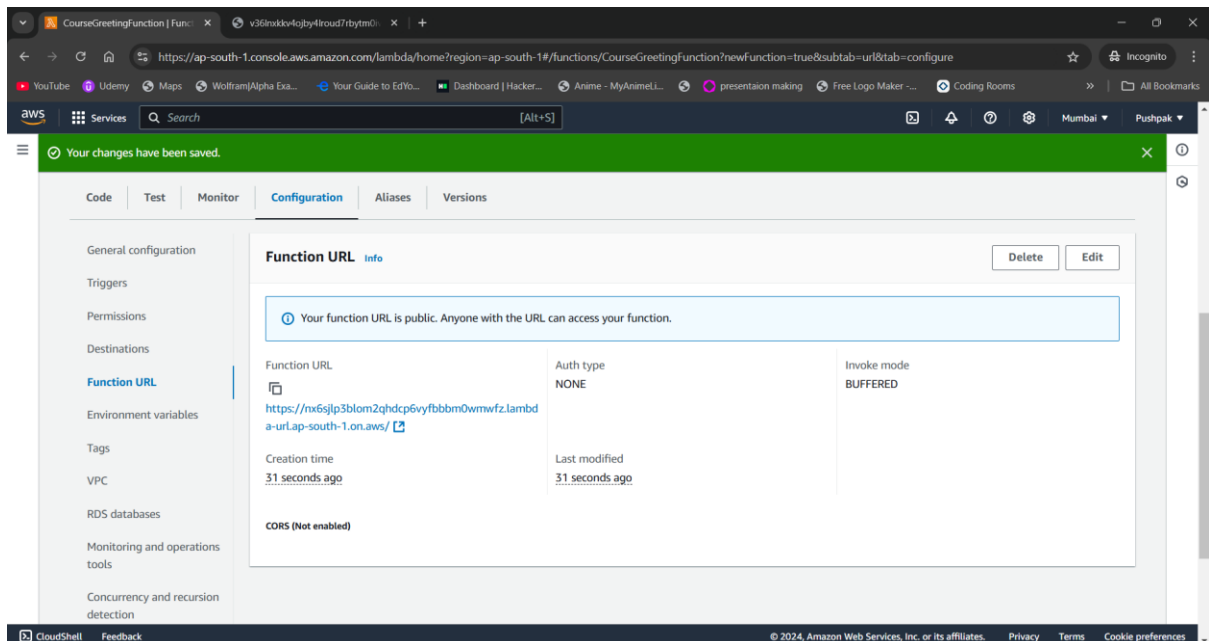# Running the test

Question 2

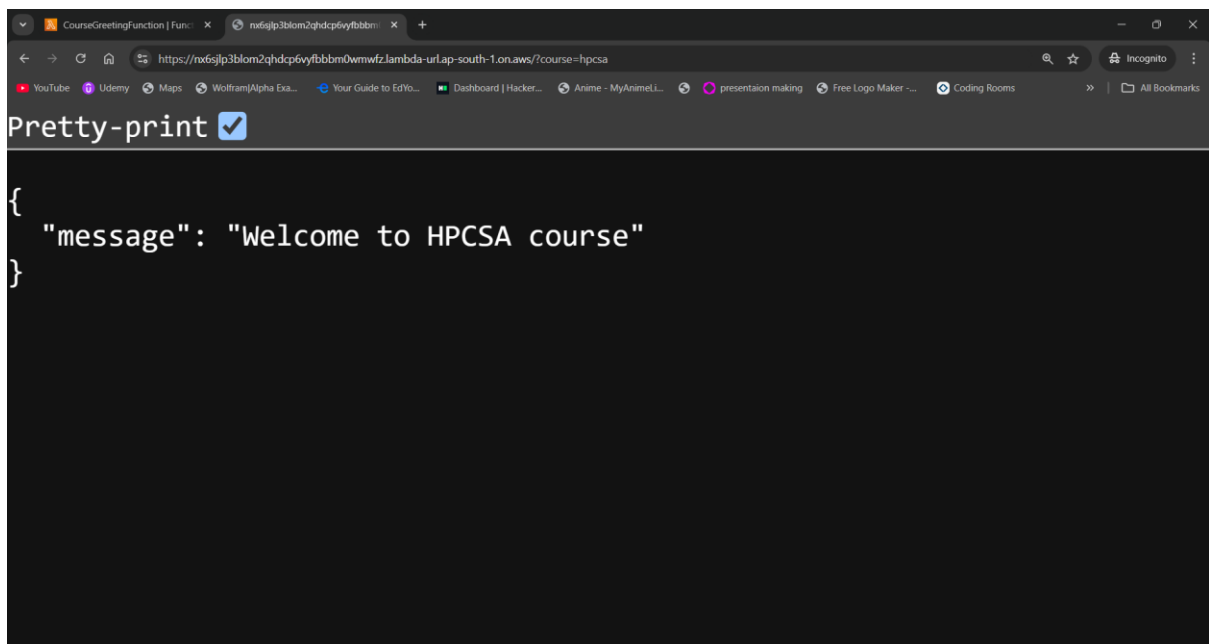## Creating a function

Source code

Setting up function URL
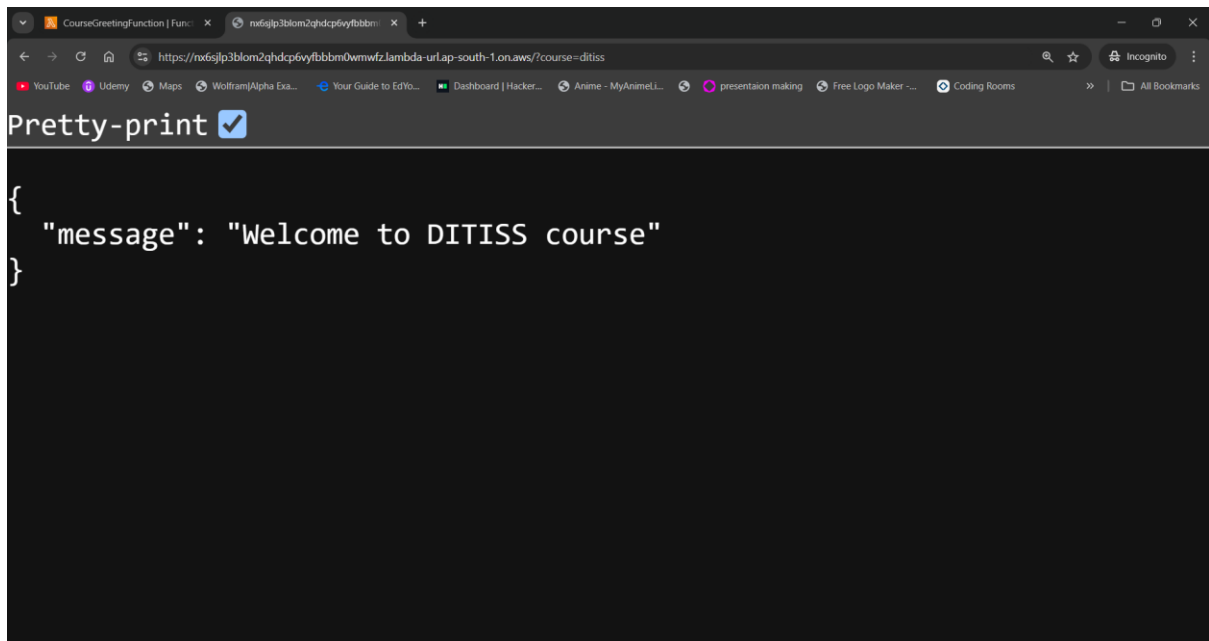

Function URL

Output for hpcsa

Output for ditiss

Output for dbda
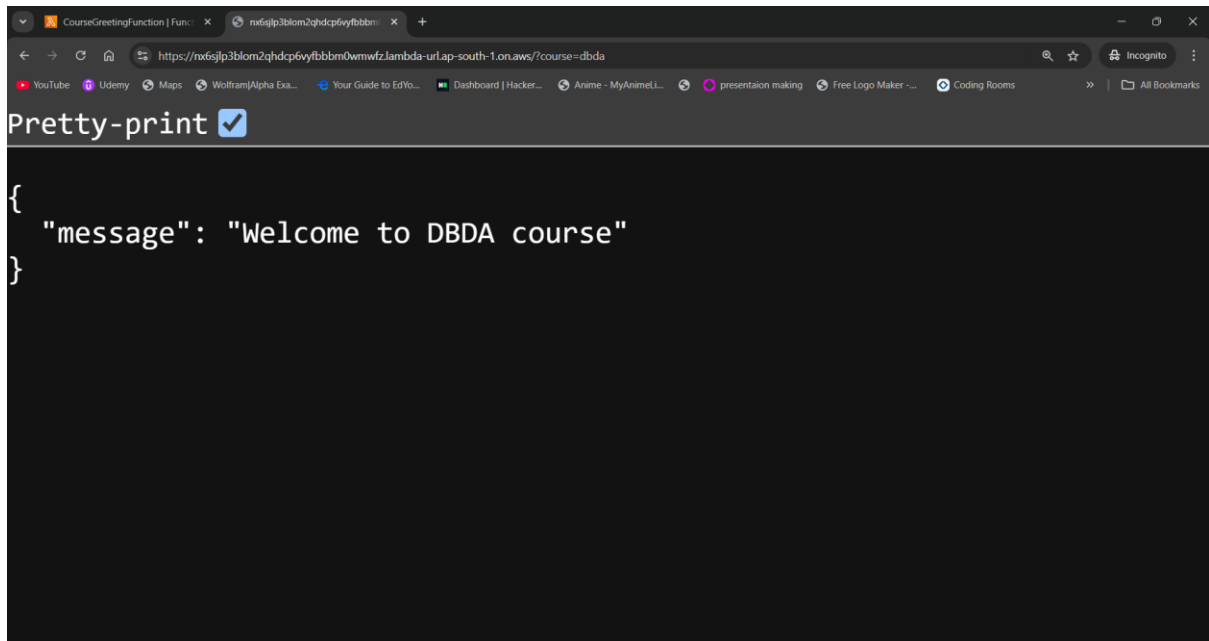
Question 3

Creating an IAM user

Set S3 permissions

User created successfully

Create an IAM User "Sam" with Read-Only S3 Access
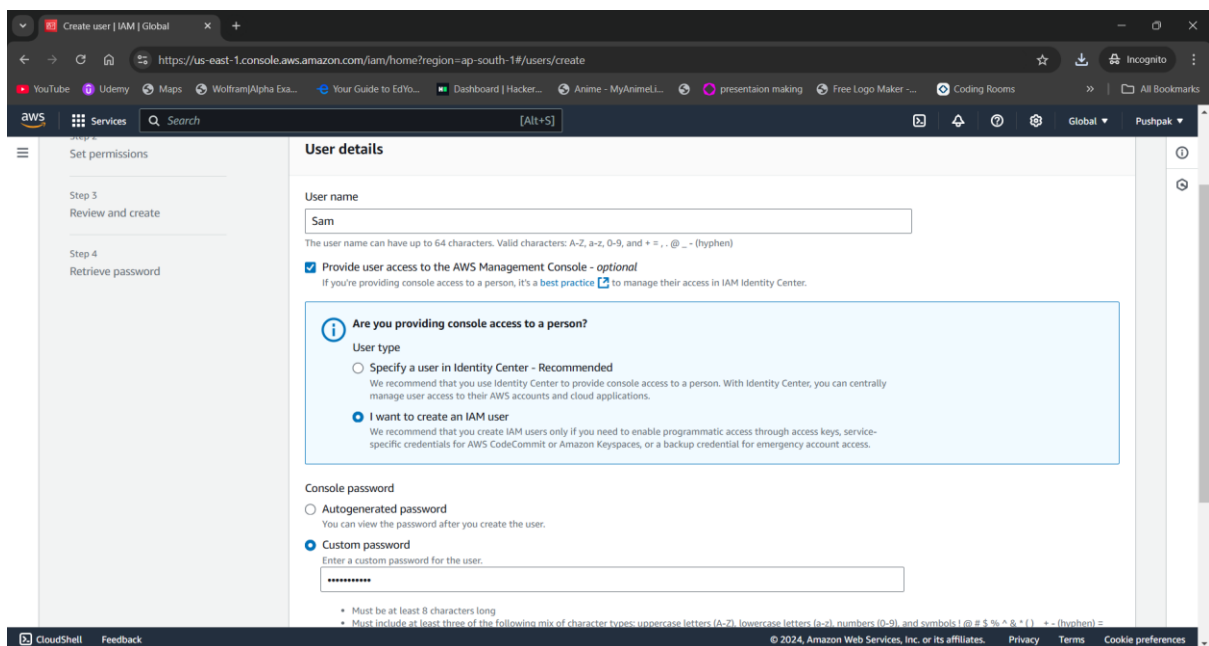
Setting read-only permissions
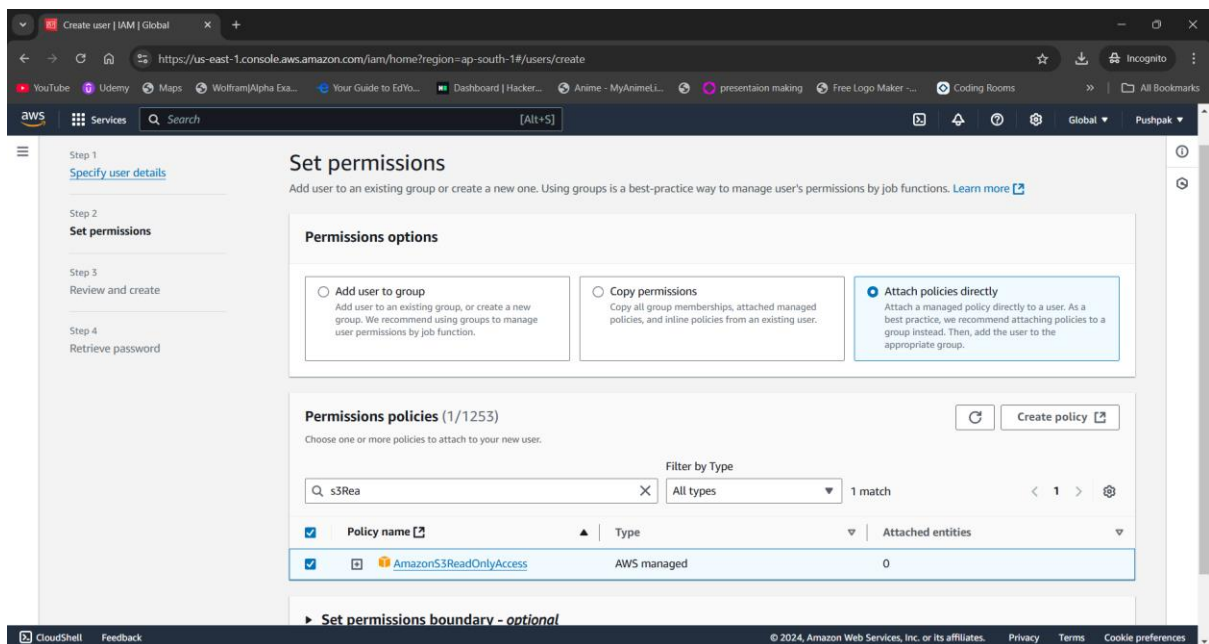
Created successfully
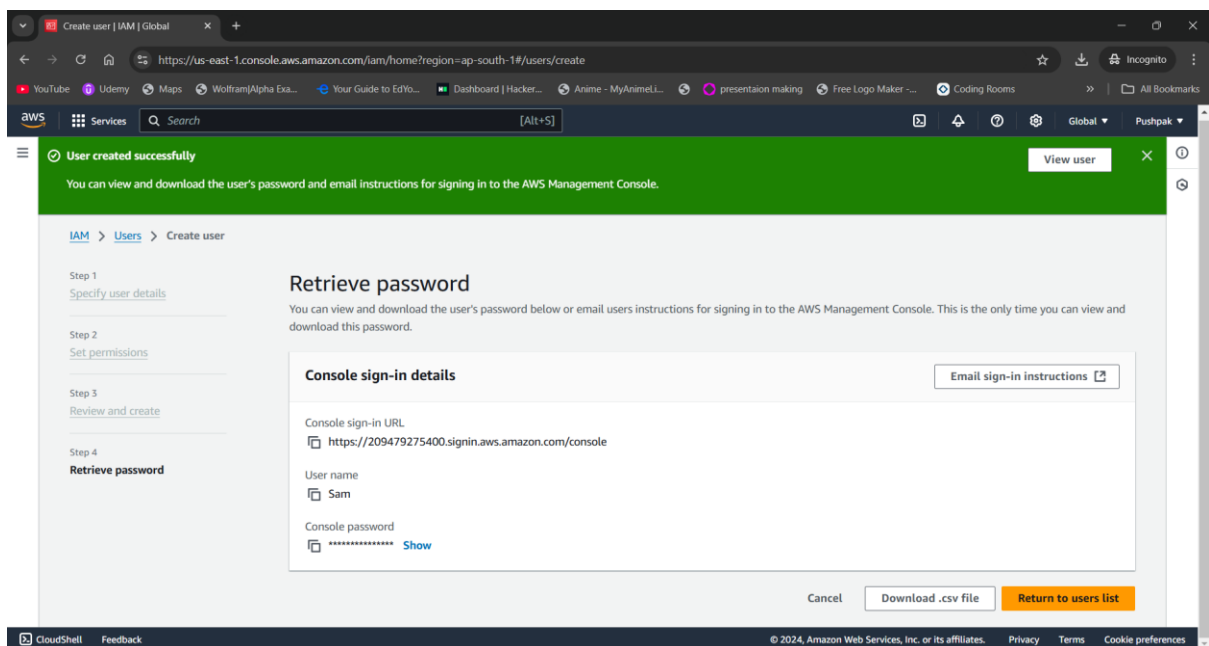
Creating S3 bucket
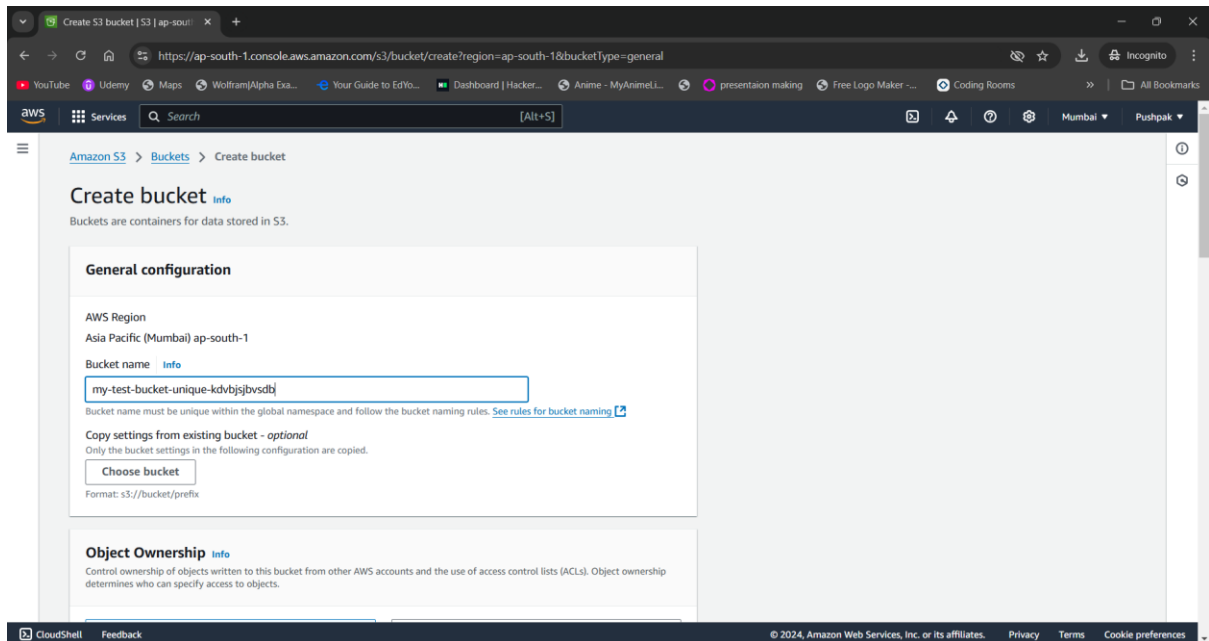
Logged in as Mike
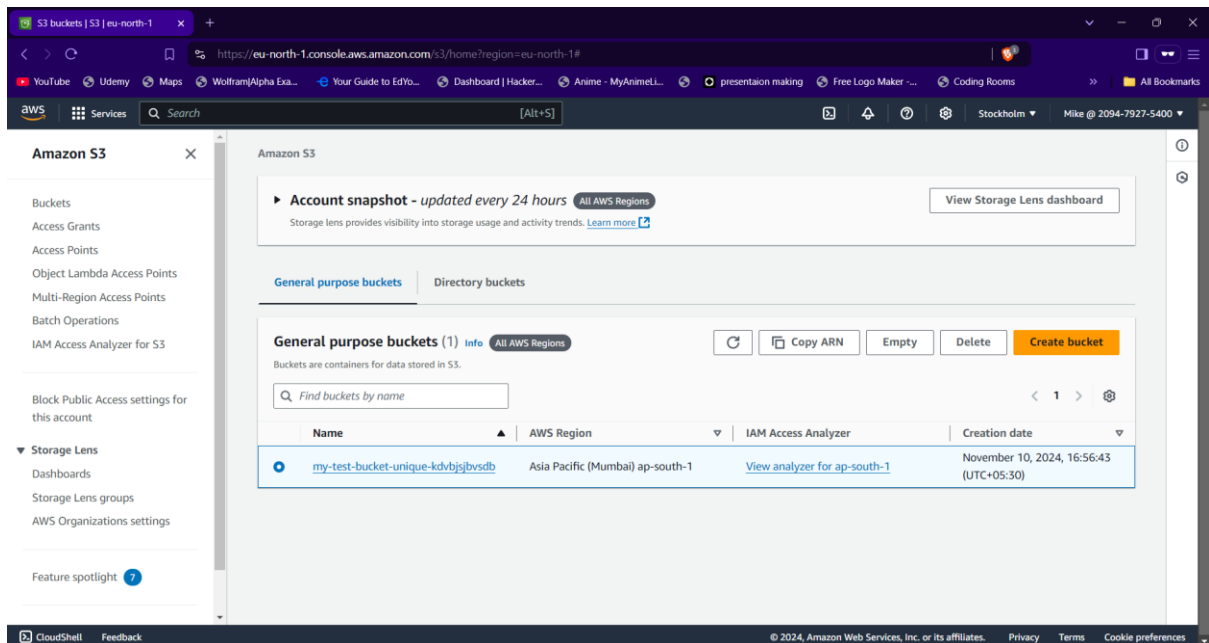
Uploading a file
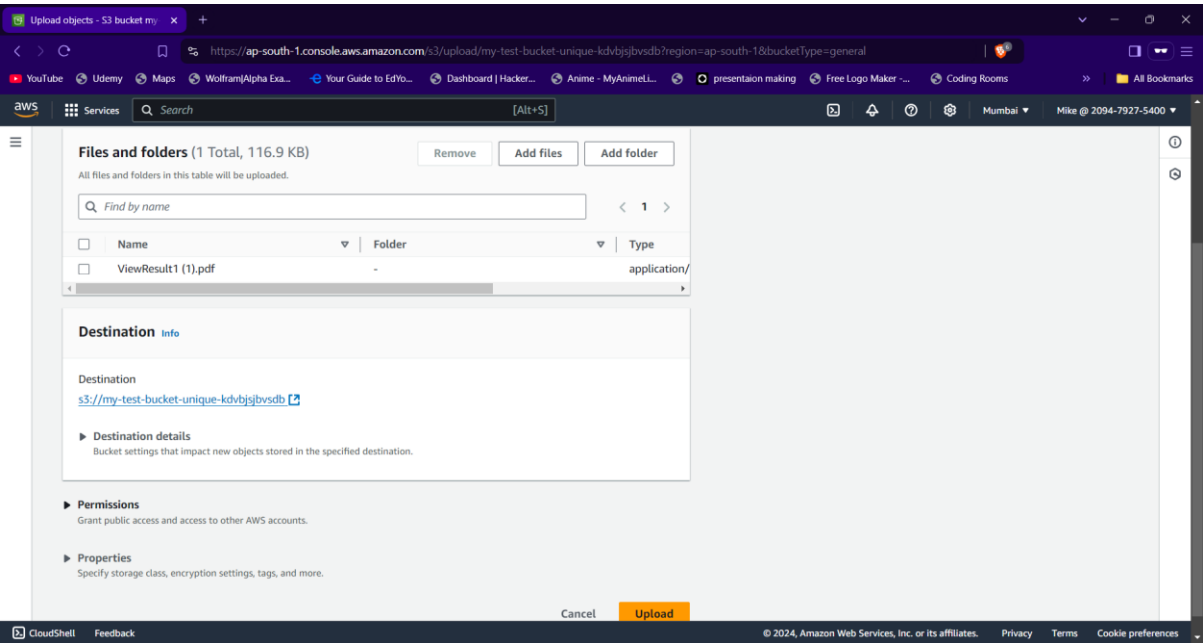
Uploaded successfully
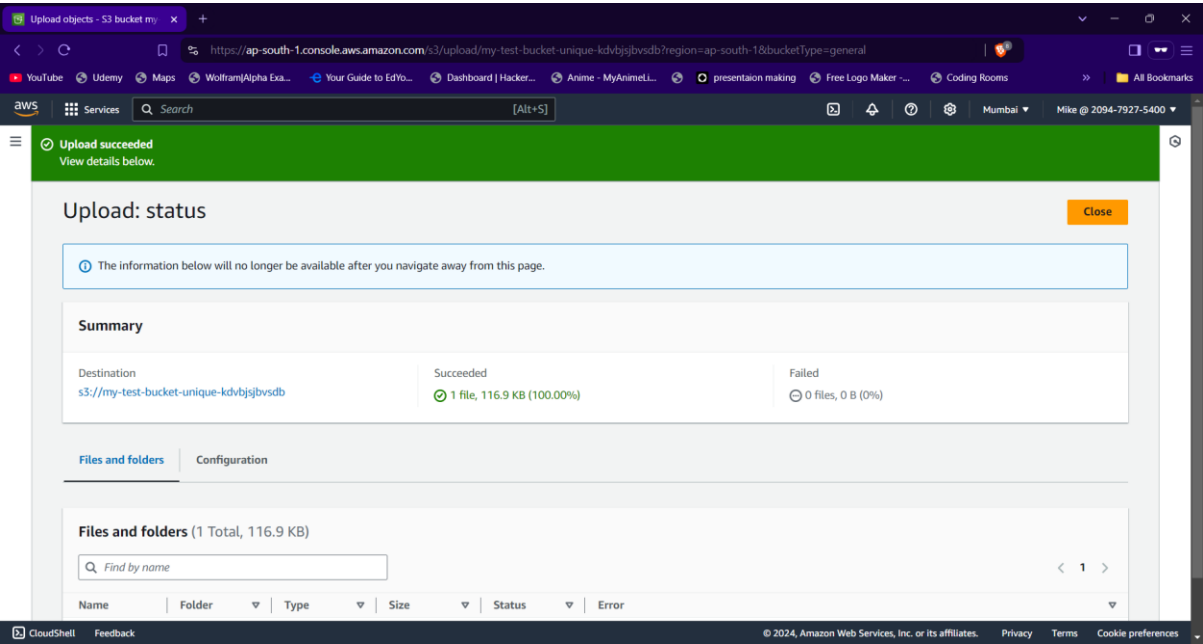
Logging in as Sam
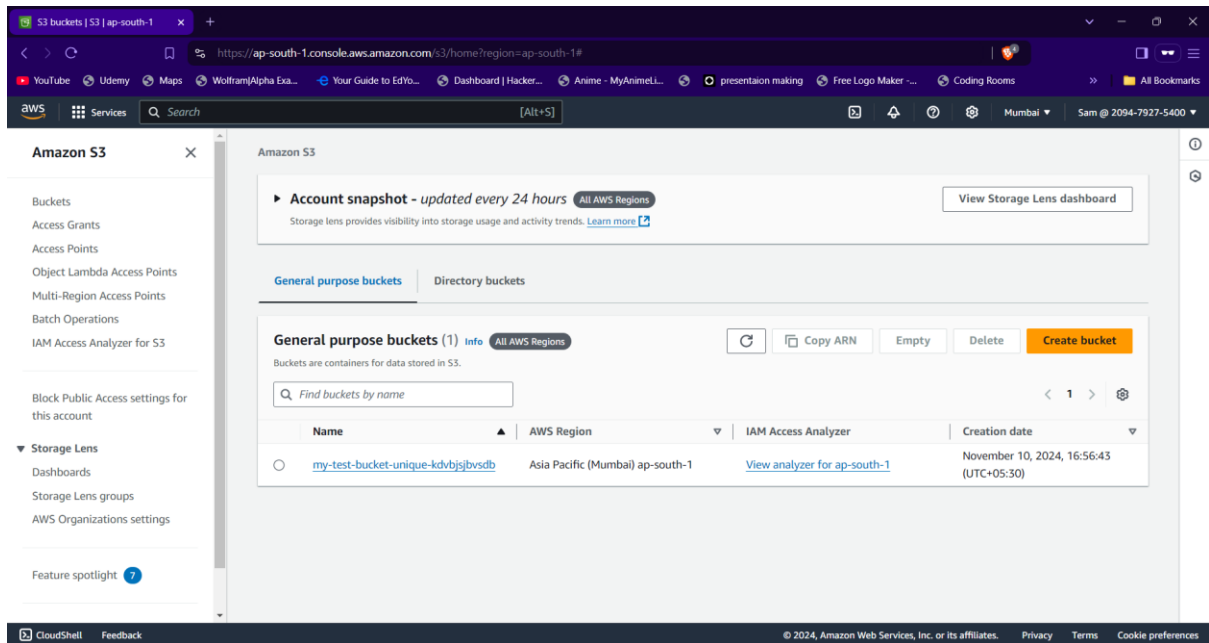
Trying to upload file
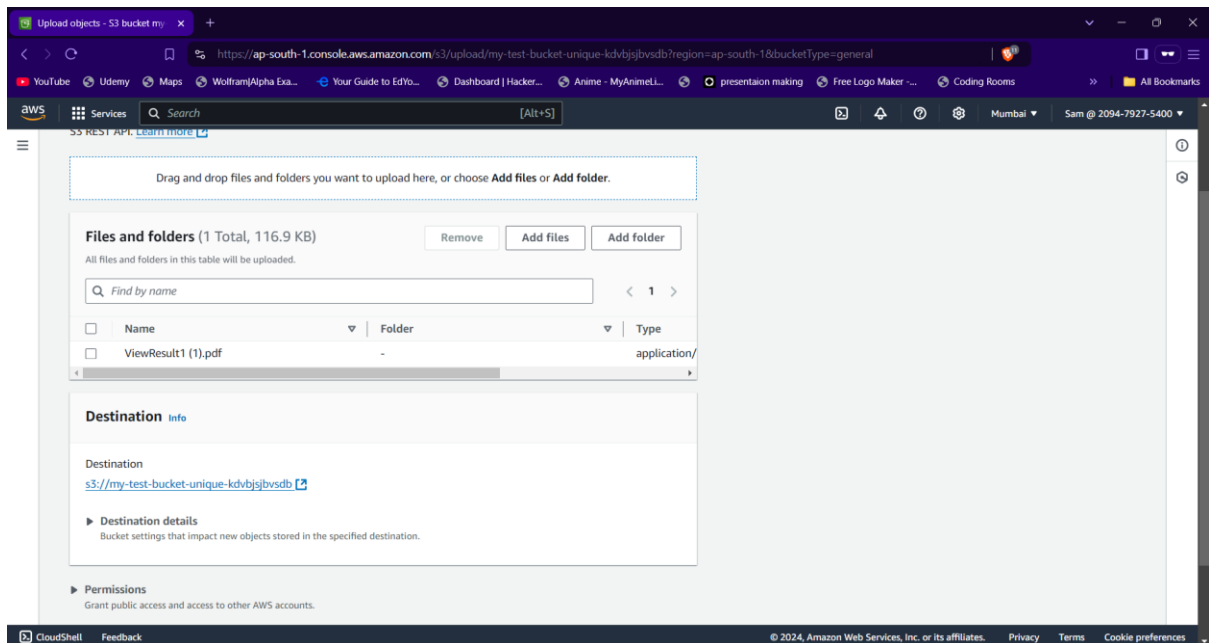
Upload fail
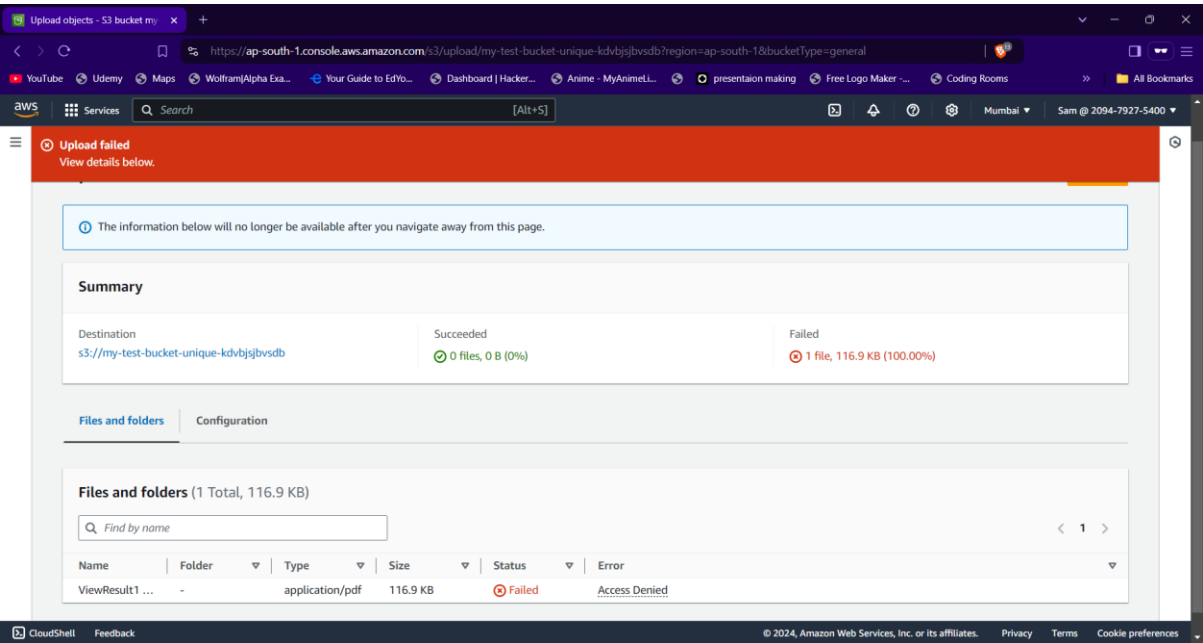
Question 4


```
pushpak@MSI:~/assig$ git init
hint: Using 'master' as the name for the initial branch. This default branch name
hint: is subject to change. To configure the initial branch name to use in all
hint: of your new repositories, which will suppress this warning, call:
hint:
hint:   git config --global init.defaultBranch <name>
hint:
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command:
hint:
hint:   git branch -m <name>
Initialized empty Git repository in /home/pushpak/assig/.git/
pushpak@MSI:~/assig$ echo "This is line 1" > index.html
pushpak@MSI:~/assig$ echo "This is line 2" >> index.html
pushpak@MSI:~/assig$ git add index.html
pushpak@MSI:~/assig$ git commit -m "Add initial version of index.html with 2 lines"
[master (root-commit) d0984d4] Add initial version of index.html with 2 lines
 1 file changed, 2 insertions(+)
 create mode 100644 index.html
pushpak@MSI:~/assig$ git sta
stage    stash    status
pushpak@MSI:~/assig$ git status
On branch master
nothing to commit, working tree clean
pushpak@MSI:~/assig$
```

Modifying index.html


```
pushpak@MSI:~/assig$ echo "This is line 3" >> index.html
pushpak@MSI:~/assig$ echo "This is line 4" >> index.html
pushpak@MSI:~/assig$ cat index.html
This is line 1
This is line 2
This is line 3
This is line 4
pushpak@MSI:~/assig$ git add index.html
pushpak@MSI:~/assig$ git commit -m "Add two more lines to index.html"
[master 75c4b10] Add two more lines to index.html
 1 file changed, 2 insertions(+)
pushpak@MSI:~/assig$
```

Additional commit

```
pushpak@MSI:~/assig$ echo "This is line 5" >> index.html
pushpak@MSI:~/assig$ echo "This is line 6" >> index.html
pushpak@MSI:~/assig$ cat index.html
This is line 1
This is line 2
This is line 3
This is line 4
This is line 5
This is line 6
pushpak@MSI:~/assig$ git status
On branch master
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   index.html

no changes added to commit (use "git add" and/or "git commit -a")
pushpak@MSI:~/assig$ git add index.html
pushpak@MSI:~/assig$ git commit -m "Add two more lines to index.html, totaling 6 lines"
[master 0c40723] Add two more lines to index.html, totaling 6 lines
 1 file changed, 2 insertions(+)
pushpak@MSI:~/assig$ git status
On branch master
nothing to commit, working tree clean
pushpak@MSI:~/assig$
```

Restore the 4-line version of the file

```
pushpak@MSI:~/assig$ git log --oneline
0c40723 (HEAD -> master) Add two more lines to index.html, totaling 6 lines
75c4b10 Add two more lines to index.html
d0984d4 Add initial version of index.html with 2 lines
pushpak@MSI:~/assig$ git checkout 75c4b10 -- index.html
pushpak@MSI:~/assig$ cat index.html
This is line 1
This is line 2
This is line 3
This is line 4
pushpak@MSI:~/assig$
```