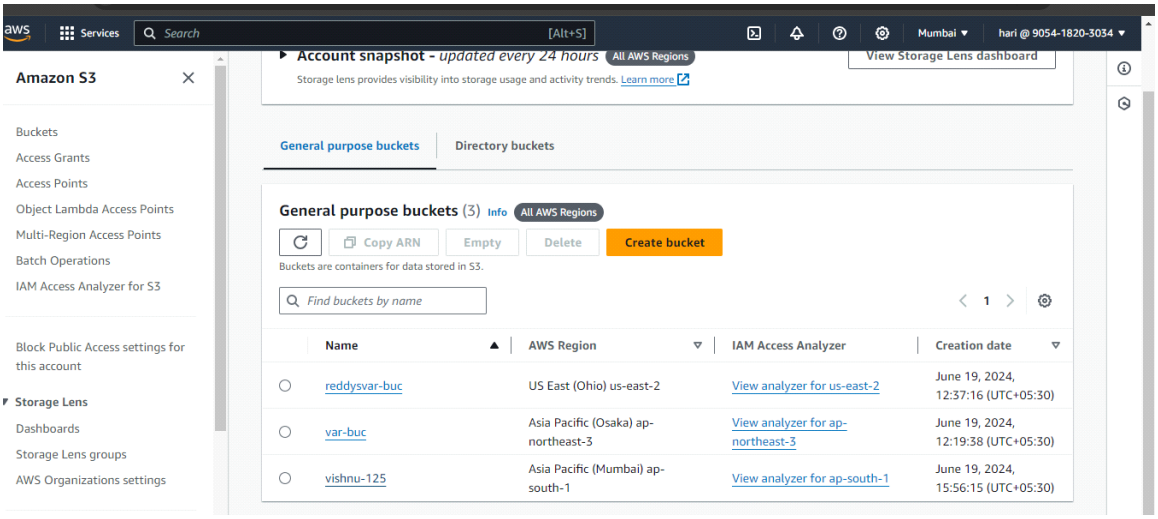
NAME : SOWMYA

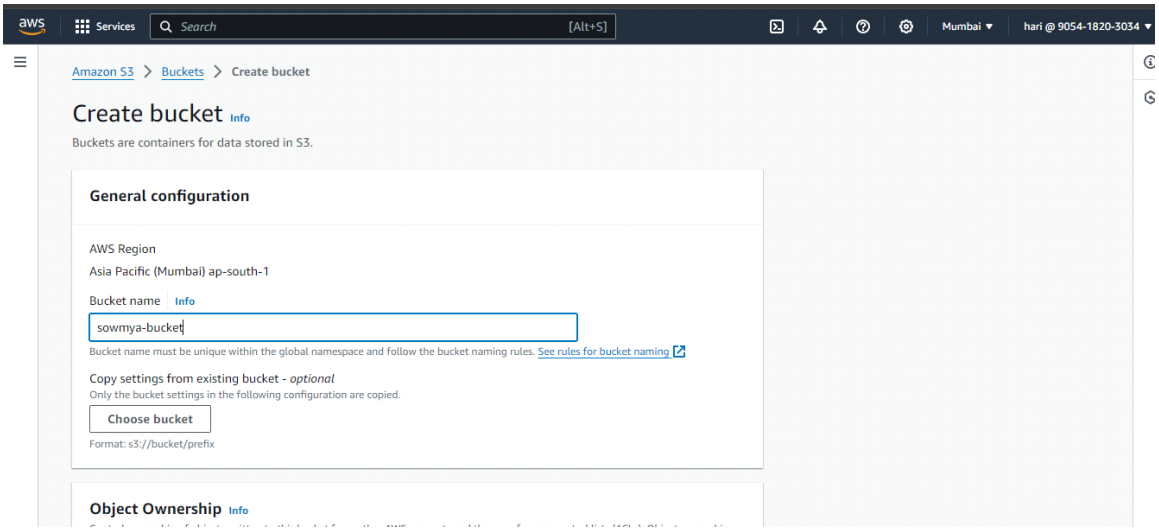
GMAIL:sowmyamokka7@gmail.com

Connect an Amazon S3 bucket to an EC2 instance using an IAM role

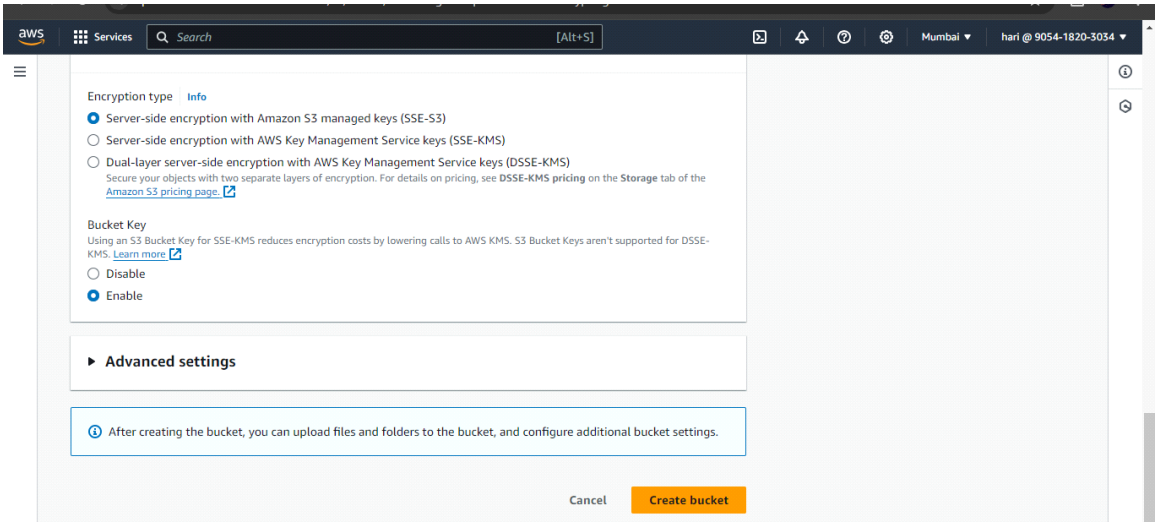
- Go to aws search bar and search s3 then click on it
- Now we have to create s3 bucket



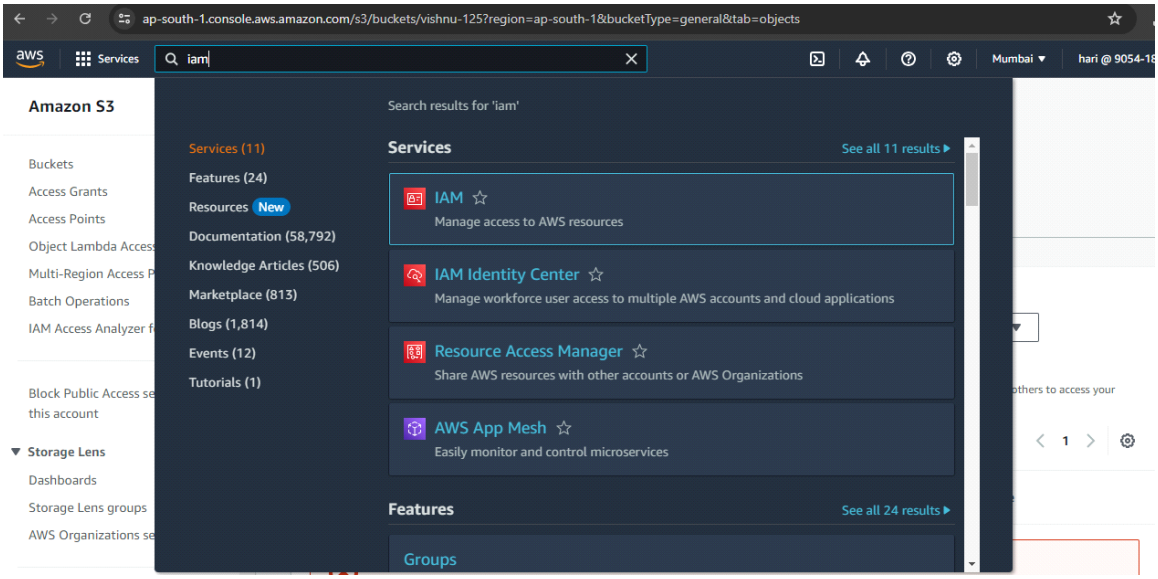
- give the bucket name



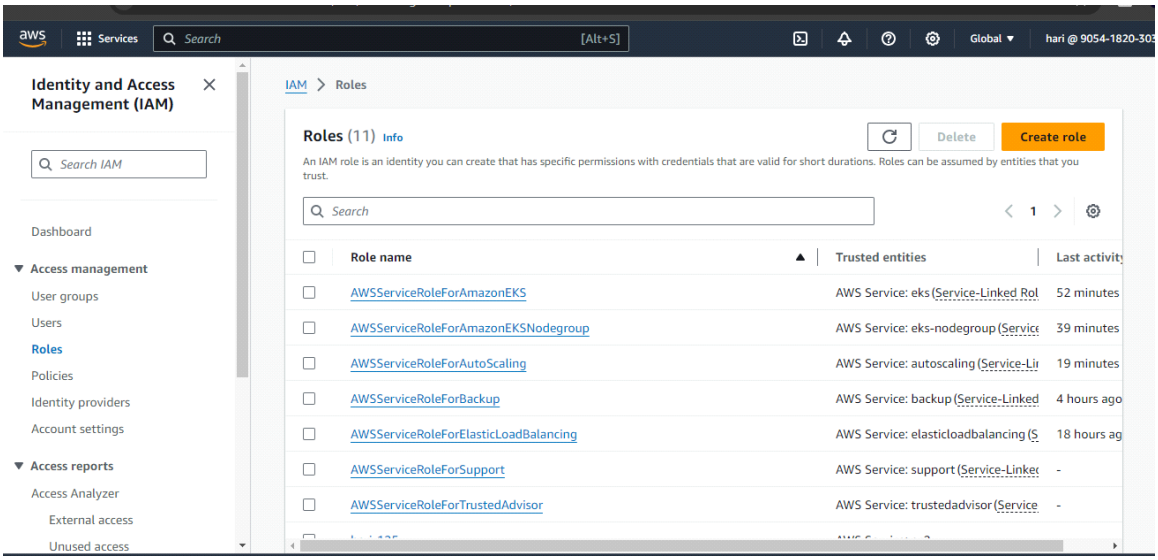
- click on create bucket



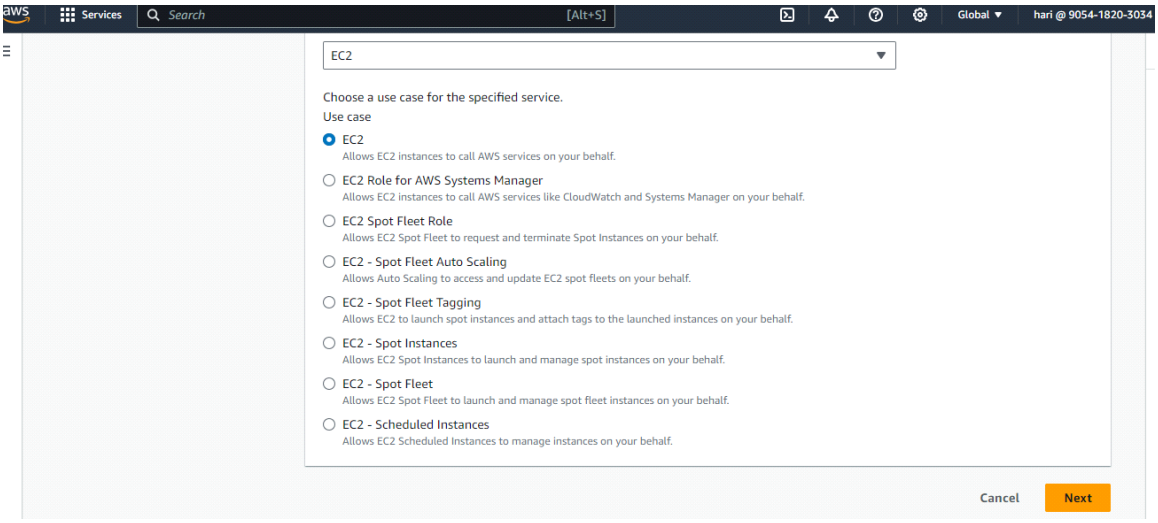
- go to search bar and search IAM and click on it



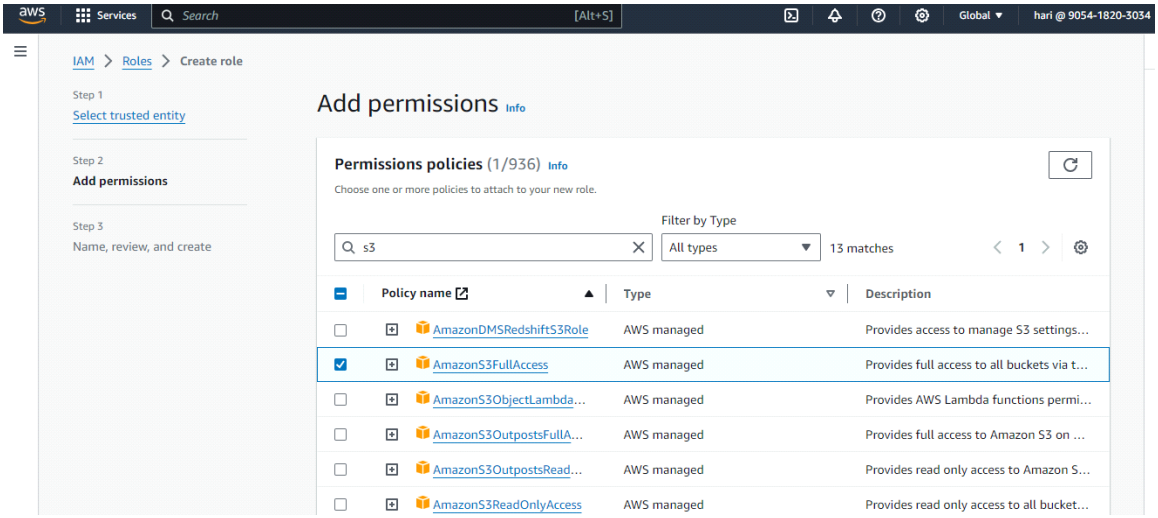
- click on roles in access management
- click on create role



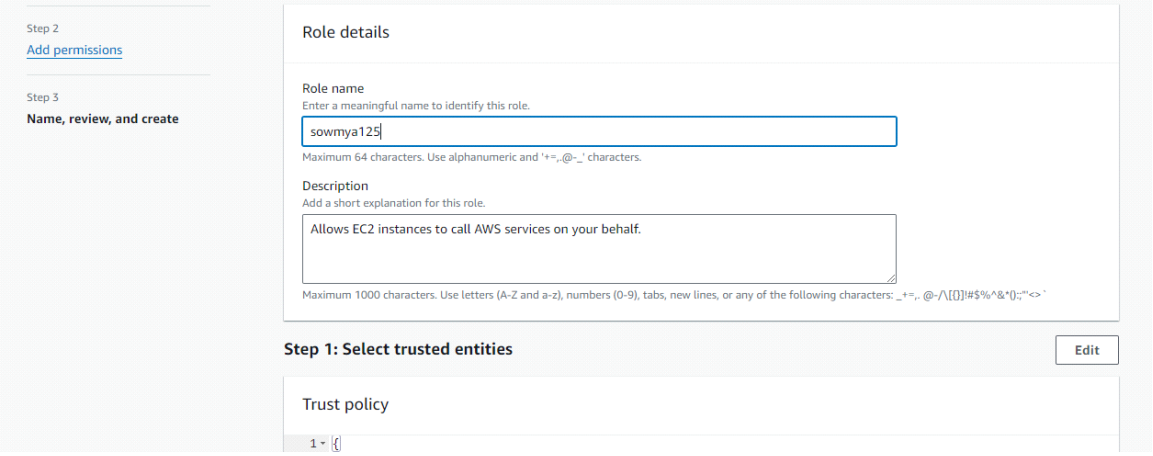
- select ec2 on service or use case
- click on next



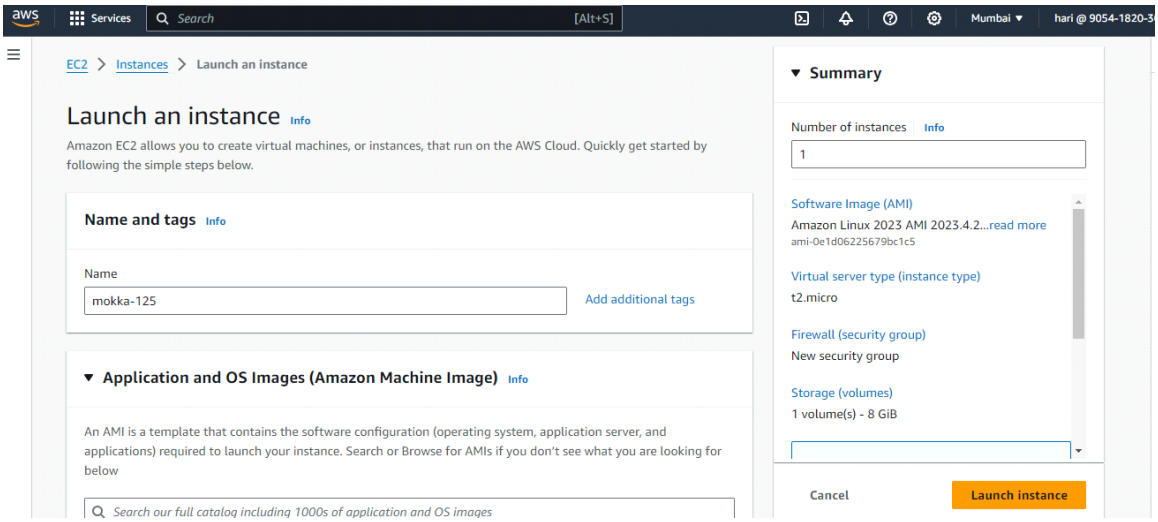
- search s3 and select amazons3fullAccess
- click on next



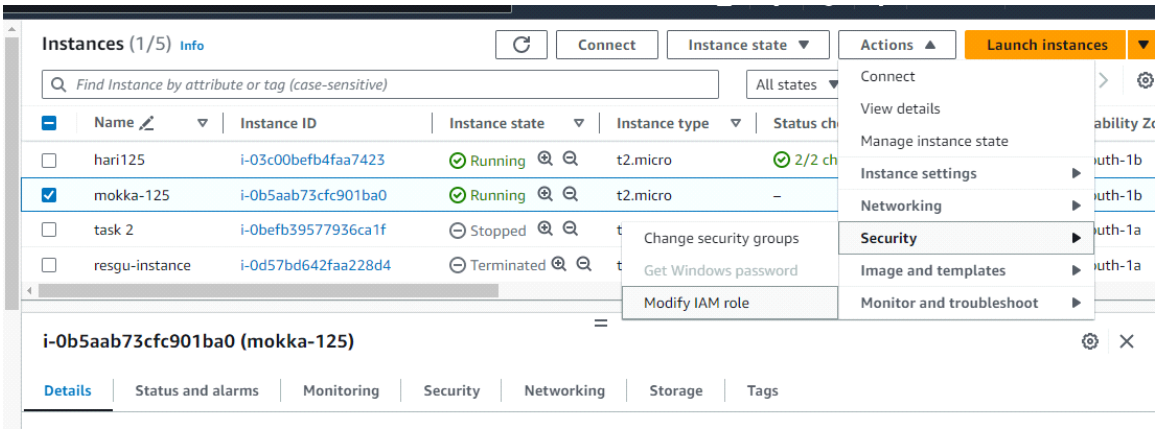
- give role name
- click on create role



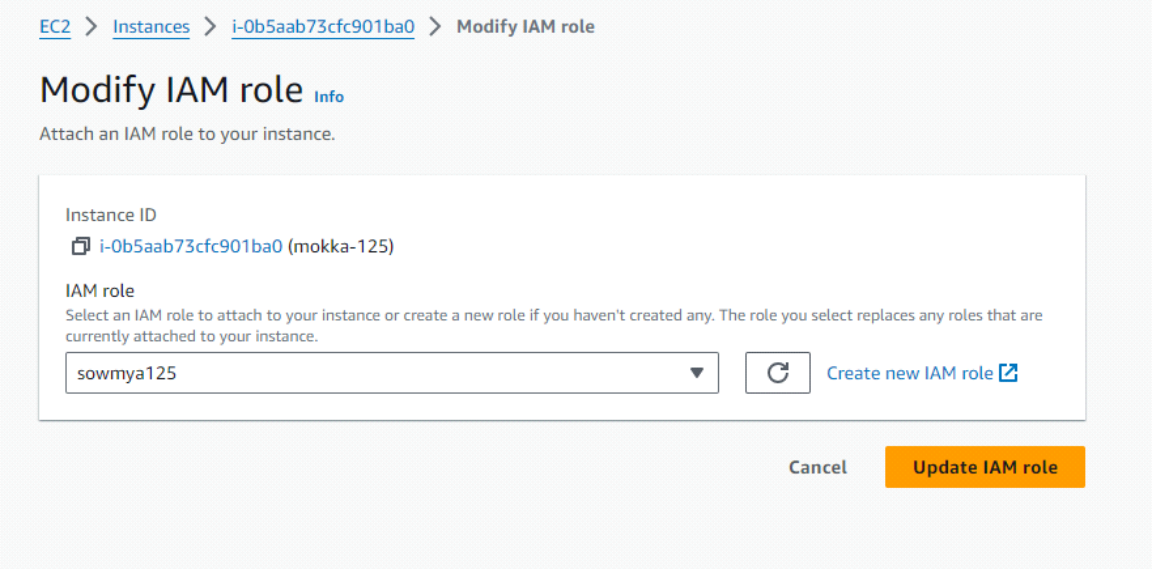
- Now we need create ec2 instance
- click on instance running and click on launch instance
- give the name and create a key pair
- click on launch instance



- Select the instance which we create
- go to actions and click on security then click on modify IAM role



- Select IAM role (already created)
- click on update IAM role



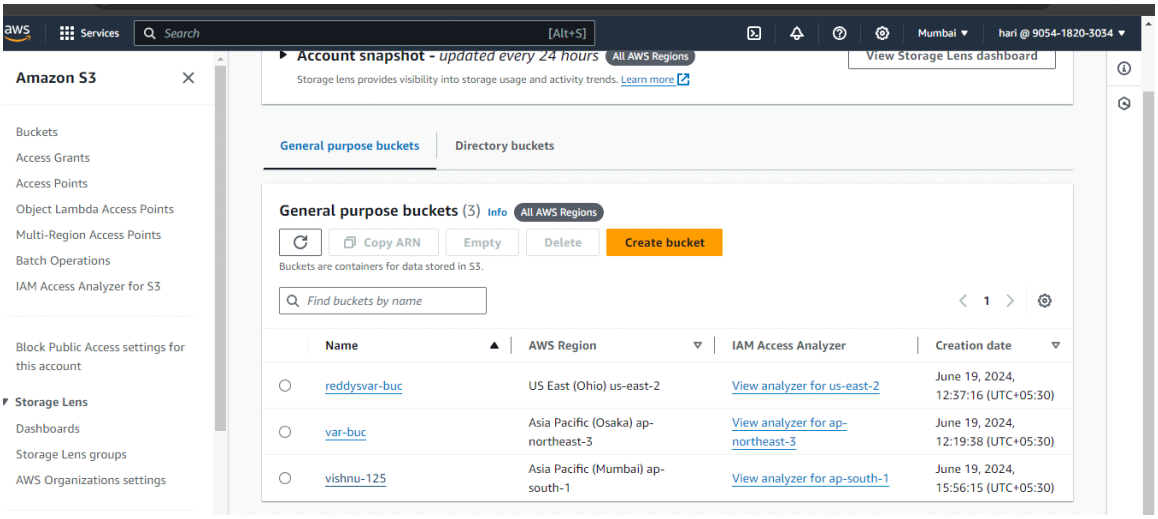
- Now go to ec2 instance and connect to web or gitbash
- we want bucket list the command is aws s3 ls
- now we need to create a file the command is vi filename
- we need to insert data into the file and save it

```
   ,     #_
   ~\_  ####_        Amazon Linux 2023
  ~~  \_#####\
  ~~     \###|
  ~~       \#/ ___   https://aws.amazon.com/linux/amazon-linux-2023
   ~~       V~' '->
    ~~~         /
      ~~._.   _/
         _/ _/
       _/m/'
[ec2-user@ip-172-31-11-127 ~]$ sudo -i
[root@ip-172-31-11-127 ~]# aws s3 ls
2024-06-19 07:07:17 reddysvar-buc
2024-06-19 06:49:40 var-buc
2024-06-19 10:26:16 vishnu-125
[root@ip-172-31-11-127 ~]# vi mokka
[root@ip-172-31-11-127 ~]# vi sowmya
```

- now we need to do copy the file into the bucket
- for this we use command as aws s3 cp filename s3://bucketname

```
[root@ip-172-31-11-127 ~]# aws s3 ls
2024-06-19 07:07:17 reddysvar-buc
2024-06-19 06:49:40 var-buc
2024-06-19 10:26:16 vishnu-125
[root@ip-172-31-11-127 ~]# aws s3 cp sowmya s3://vishnu-125
upload: ./sowmya to s3://vishnu-125/sowmya
[root@ip-172-31-11-127 ~]#
```

- now go and check the s3 bucket if the file is upload or not



- yes the file was uploaded in s3 bucket