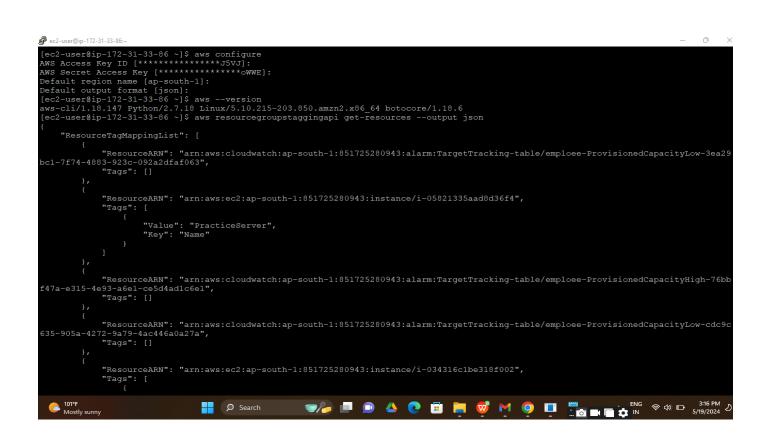
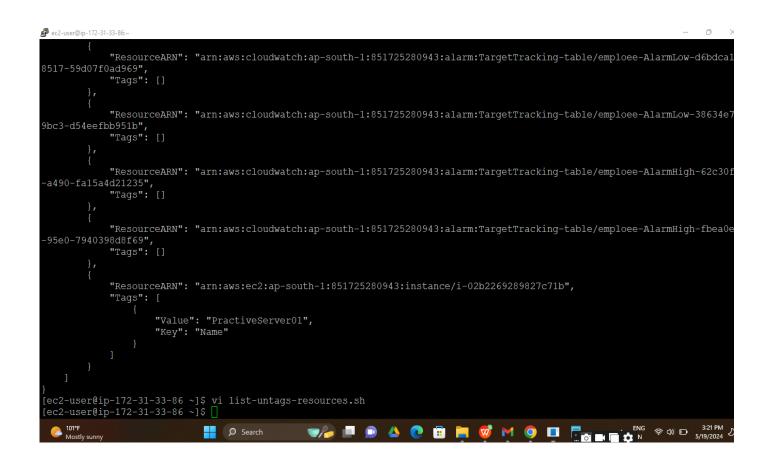
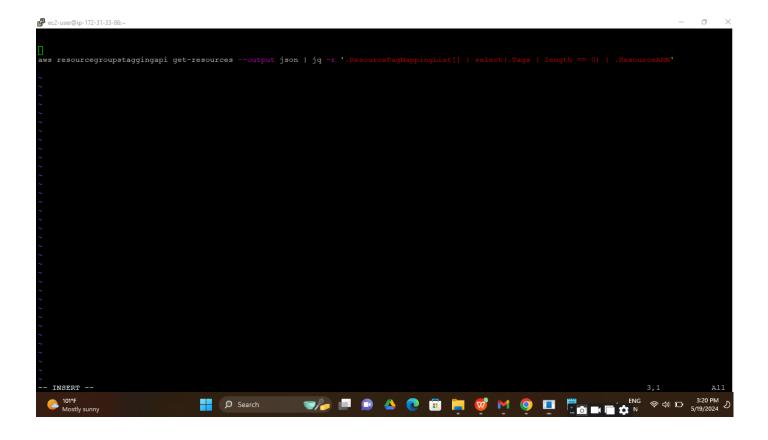
## **Project Name-User Remediation**

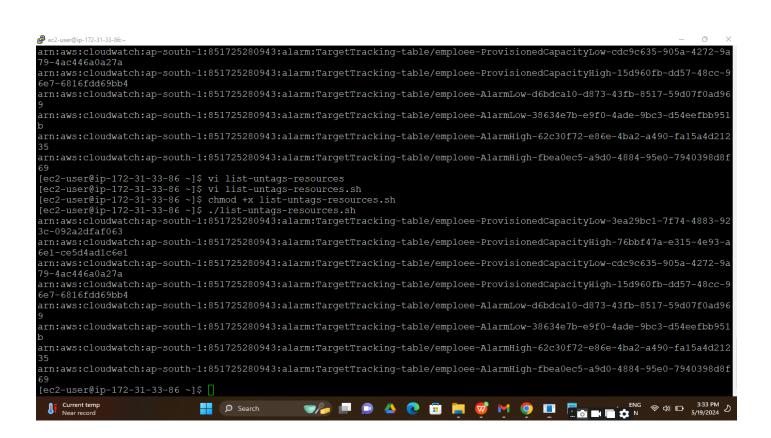
## A. We write the Linux script and find the resources in which have not define tags.

- 1.install awscli
- 2.configure user
  - aws configure
- 3. Fire this command- aws resourcegroupstaggingapi get-resources -- output Json
  - This command retrieves a list of AWS resources along with their tags in JSON format using the AWS CLI.
- 4. Write script in- vi list-untags-resources.sh
  - aws resourcesgroupstaggingapi get-resources --output json | jq -r '.ResourceTagMappingList[] | select(.Tags | length==0) | .ResourceARN'
- 5.Retrieves a list of AWS resources along with their tags, filters out the resources that do not have any tags, and outputs the ARNs of those untagged resources.
  - 6. Give the permission to execute- chmod +x list-untags-resources.sh
    - ./list-untags-resources.sh
  - 7. Here the untaggs resources.









## B.IAM users whose last activity days are greater than 30 so I want those users to mark as de activate.

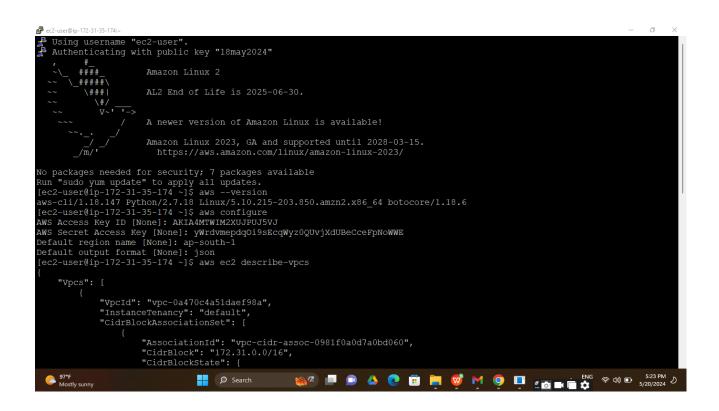
- 1. install awscli
- 2. aws configure
- 3. fire this command- aws iam list-users
  - o The command aws iam list-users -lists all IAM users in our AWS account using the AWS CLI.
- 4. Write script in- vi list-of-inactive-users.sh
- 5.script executable- chmod +x list-of-inactive-users.sh
- 6.- ./list-of-inactive-users.sh
- 7. Inactive iam users (last activity > 30 days ago):

```
ec2-user@ip-172-31-45-108:
                                                                                                                 [ec2-user@ip-172-31-45-108 ~]$ aws configure
AWS Access Key ID [*************J5VJ]:
Default output format [json]:
[ec2-user@ip-172-31-45-108 ~]$ aws --version
aws-cli/1.18.147 Python/2.7.18 Linux/5.10.215-203.850.amzn2.x86_64 botocore/1.18.6
[ec2-user@ip-172-31-45-108 ~]$ aws iam list-users
    "Users": [
           "UserName": "adminuser",
"PasswordLastUsed": "2024-04-09T09:22:59Z",
"CreateDate": "2024-04-09T09:17:48Z",
           "UserId": "AIDA4MTWIM2X5D5DCYA4Y",
           "Arn": "arn:aws:iam::851725280943:user/adminuser"
           "UserName": "Gituser-809",
           "Path": "/",
"CreateDate": "2024-05-01T14:54:52Z",
           "UserId": "AIDA4MTWIM2XQGOYJSXN4",
           "Arn": "arn:aws:iam::851725280943:user/Gituser-809"
           "UserName": "KMSadmin",
           "Path": "/",
"CreateDate": "2024-05-02T10:45:27Z",
           "UserId": "AIDA4MTWIM2XYVICLUIBE",
           "Arn": "arn:aws:iam::851725280943:user/KMSadmin"
```

```
ec2-user@ip-172-31-45-108:
                                                                                                                                                                                                0 X
                  "UserName": "Gituser-809",
                  "Path": "/",
"CreateDate": "2024-05-01T14:54:52Z",
                  "UserId": "AIDA4MTWIM2XQGOYJSXN4",
                  "Arn": "arn:aws:iam::851725280943:user/Gituser-809"
                  "UserName": "KMSadmin",
"Path": "/",
"CreateDate": "2024-05-02T10:45:27Z",
                  "UserId": "AIDA4MTWIMZXYVICLUIBE",
"Arn": "arn:aws:iam::851725280943:user/KMSadmin"
                  "UserName": "KMSuser",
"Path": "/",
"CreateDate": "2024-05-02T10:39:44Z",
                  "UserId": "AIDA4MTWIM2X36VZHY453",
"Arn": "arn:aws:iam::851725280943:user/KMSuser"
                  "UserName": "Sanjay",
"PasswordLastUsed": "2024-03-20T12:16:48Z",
                  "CreateDate": "2024-03-20712:16:462",
"CreateDate": "2024-03-20711:52:262",
"UserId": "AIDA4MTWIM2X520XXXTOY",
"Path": "/",
"Arn": "arn:aws:iam::851725280943:user/Sanjay"
 [ec2-user@ip-172-31-45-108 ~]$ vi list-of-inactive-users.sh
[ec2-user@ip-172-31-45-108 ~]$ chmod +x list-of-inactive-users.sh
[ec2-user@ip-172-31-45-108 ~]$ ./list-of-inactive-users.sh
 nactive IAM users (last activity > 30 days ago):
 adminuser
 Sanjay
[ec2-user@ip-172-31-45-108 ~]$ [
```

## C. I have find that in my VPC user has checked flow logs.

- 1. Run- sudo yum update apply all updates.
- 2. configure user- aws configure
- 3.- aws ec2 describe-vpcs this command in Linux lists detailed information about all the Virtual Private Clouds (VPCs) in our AWS account.
  - 4. In aws account we create 1 VPC means total 2 VPCs default and manual create VPC.
  - 5. In default VPC we not attached flow logs.
  - 6. Manual create VPC we attached flow logs manually.
- 7. We write the script and find that in my VPC user has checked flow logs and see the script will run properly or not let's see.
  - 8. We write script in- check-vpc-flow-logs.sh
    - o chomp +x check-vpc-flow-logs.sh
    - ./check-vpc-flow-logs.sh vpc-0a470c4a51daef98a (Give the id of default VPC for check flow logs attached or not)
    - No flow logs are attached in VPC vpc-0a470c4a51daef98a
    - ./check-vpc-flow-logs.sh vpc-0620d4de648fe5aa2 (Give the id of manual create VPC for check flow logs attached or not)
    - o Flow logs are attached in VPC vpc-0620d4de648fe5aa2
- 9. Script is run properly and we find in my VPC users has checked flow logs.



```
## AssociationId": "vpc-oidralosed": "land "vpc-oidral
```