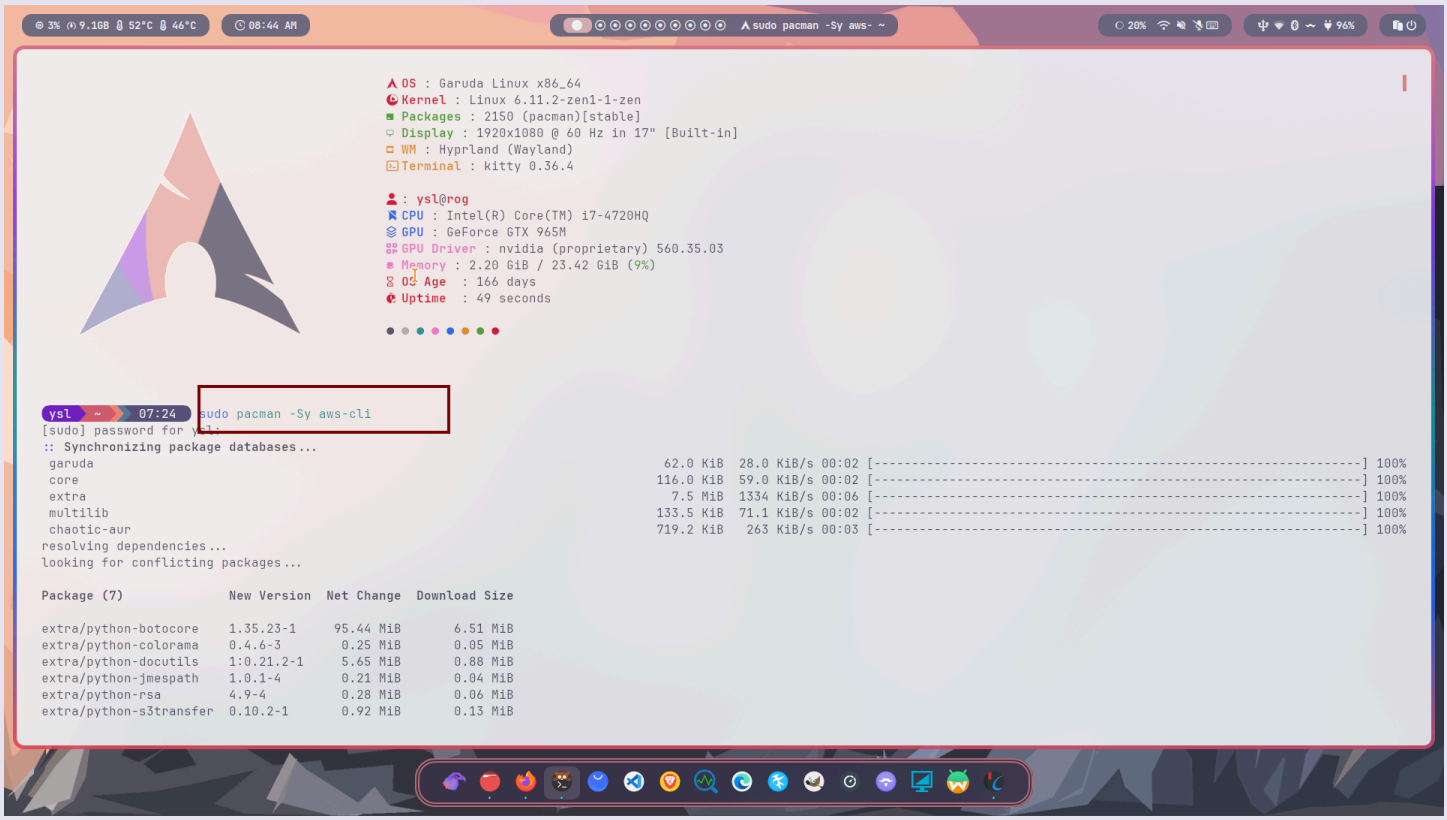
Name - Yash Lakhtariya
Enrollment number - 21162101012
Branch - CBA Batch - 71
CCE Practical 13

<u>Aim</u> : Use AWS CLI and configure it. Services to be configured through CLI :

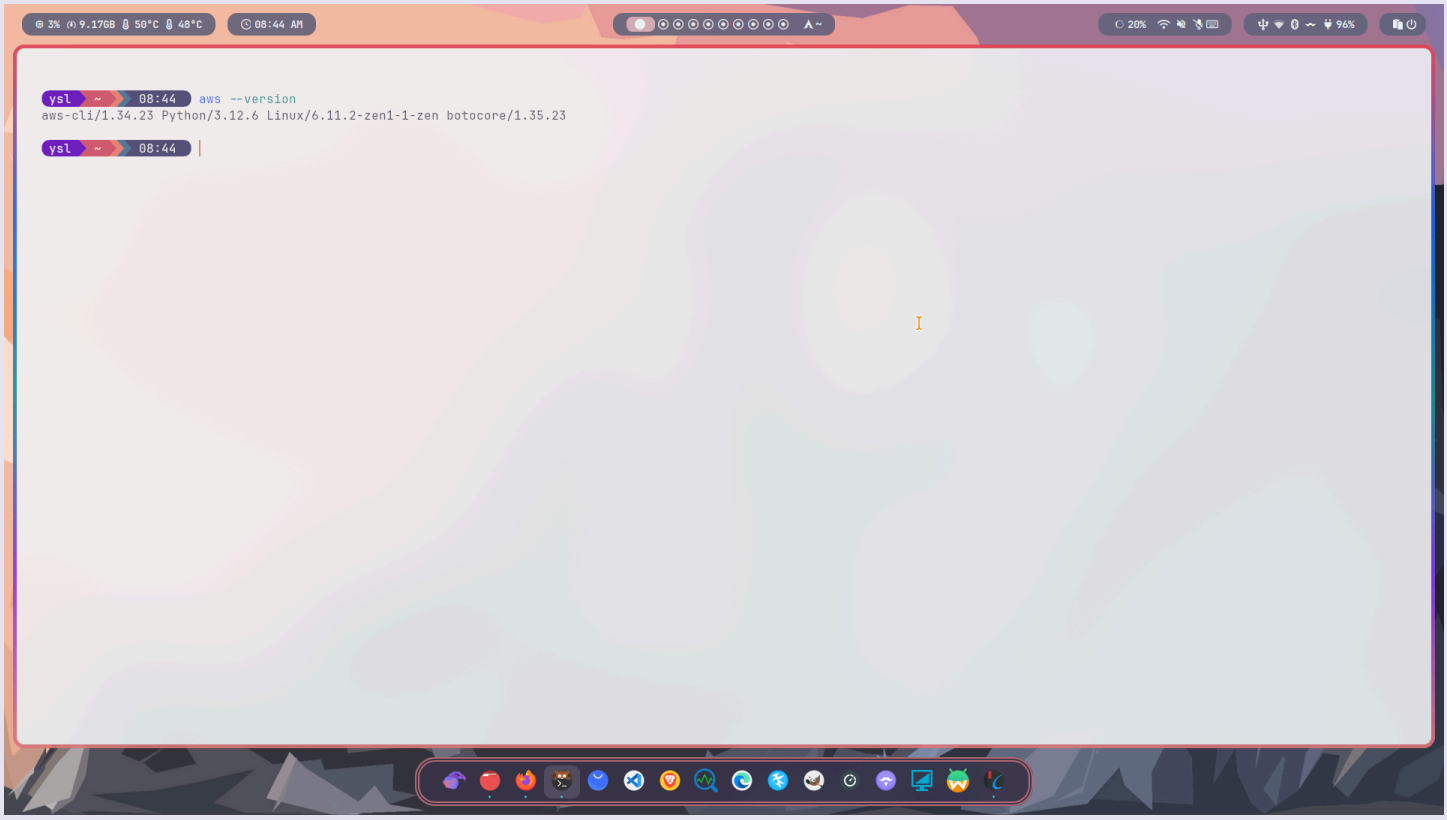
S3
EC2
IAM
VPC

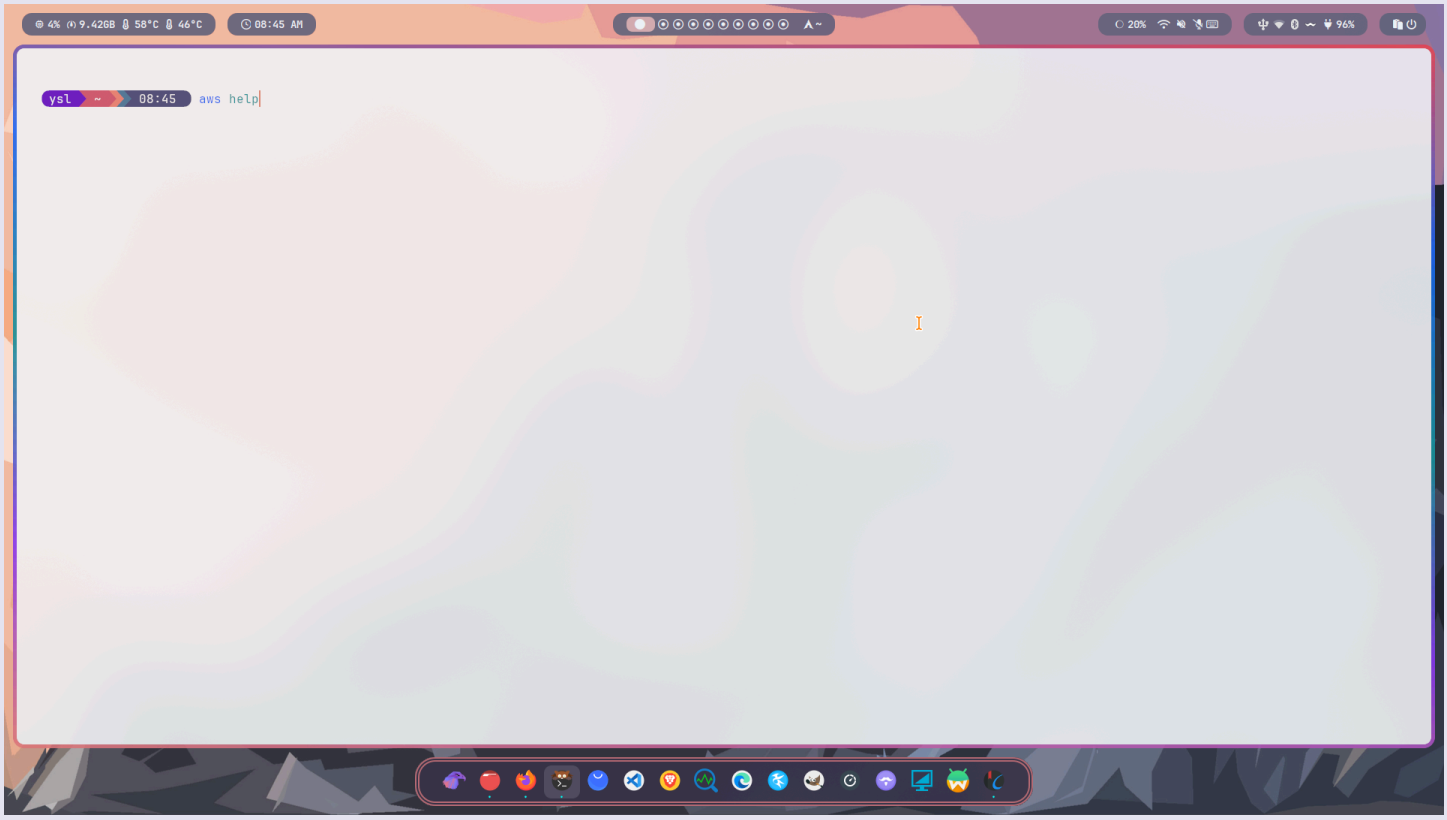
<u>Steps and Screenshots</u> :

1. Install and check aws cli



Name - Yash Lakhtariya
Enrollment number - 21162101012
Branch - CBA Batch - 71
CCE Practical 13

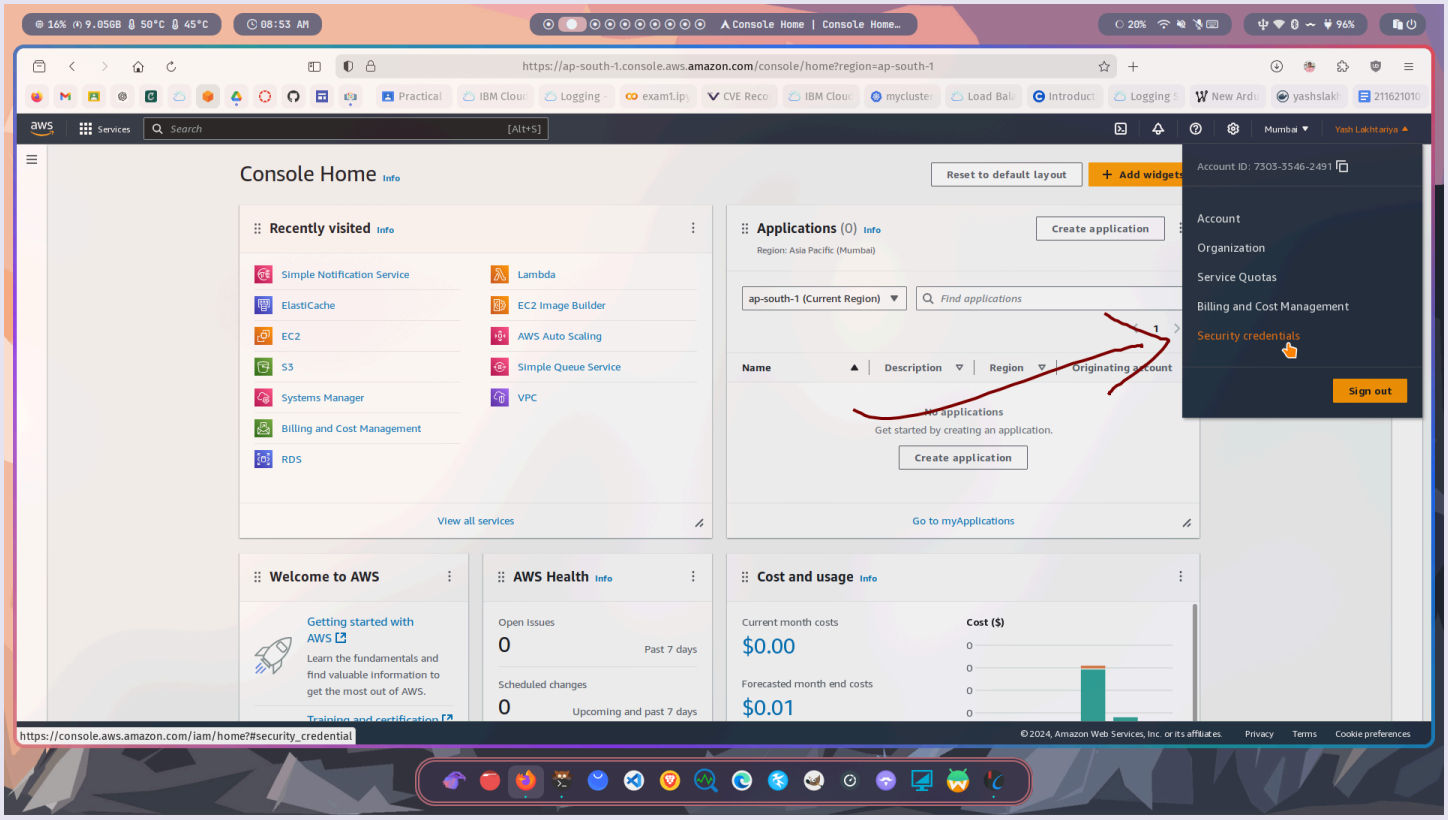




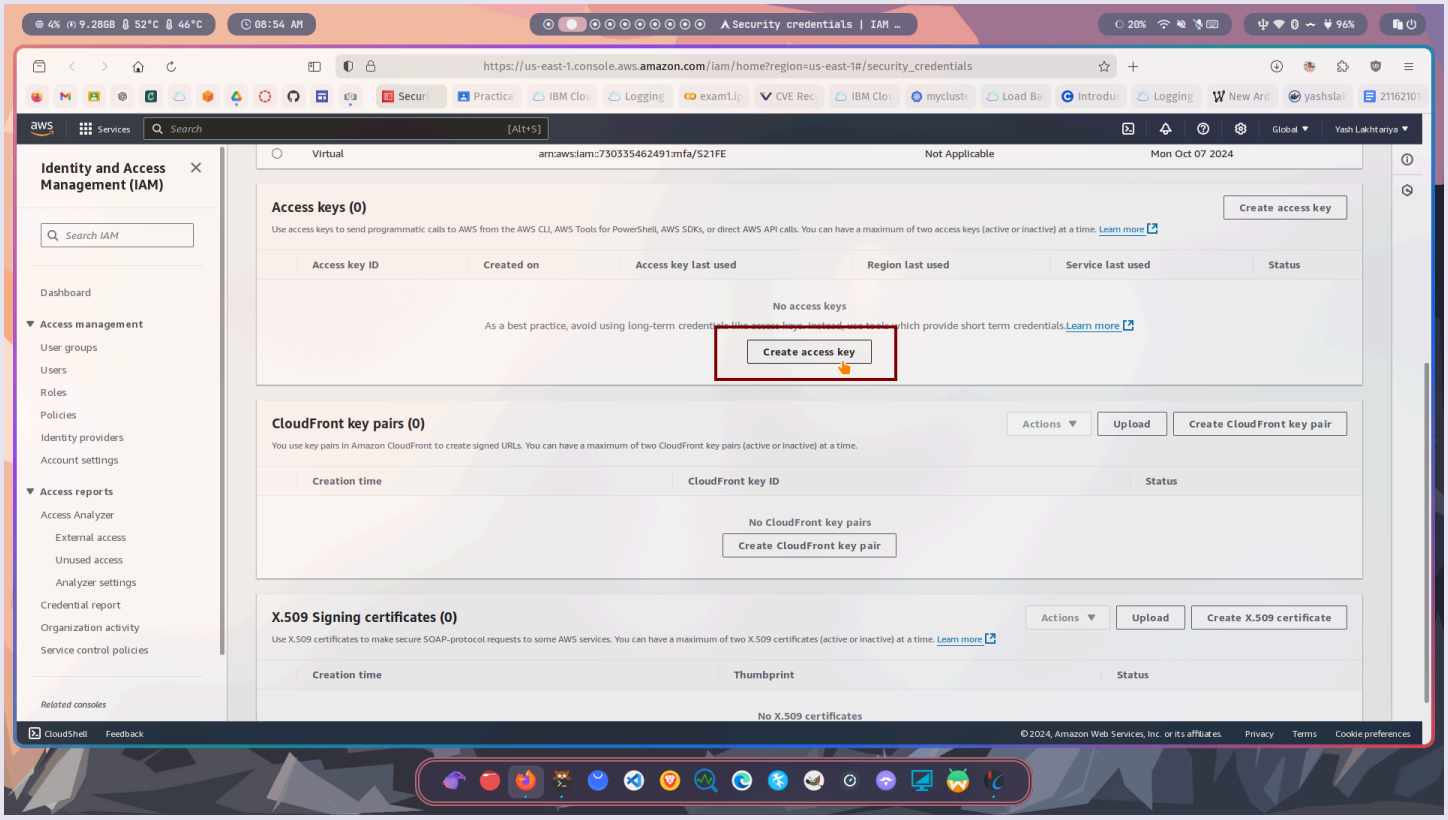
Name - Yash Lakhtariya
Enrollment number - 21162101012
Branch - CBA Batch - 71
CCE Practical 13

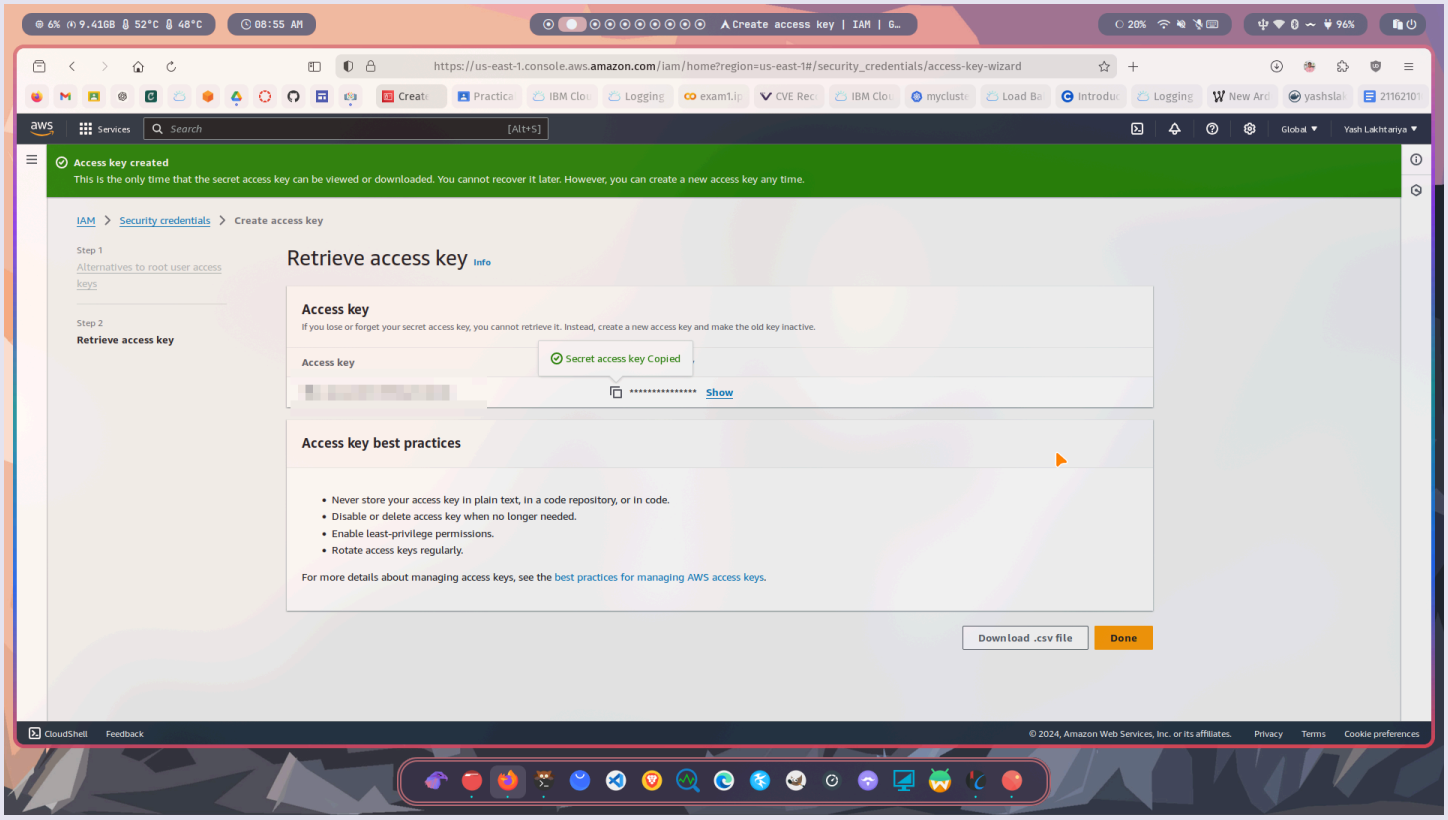
Name - Yash Lakhtariya
Enrollment number - 21162101012
Branch - CBA Batch - 71
CCE Practical 13

2. Create access key in security credentials



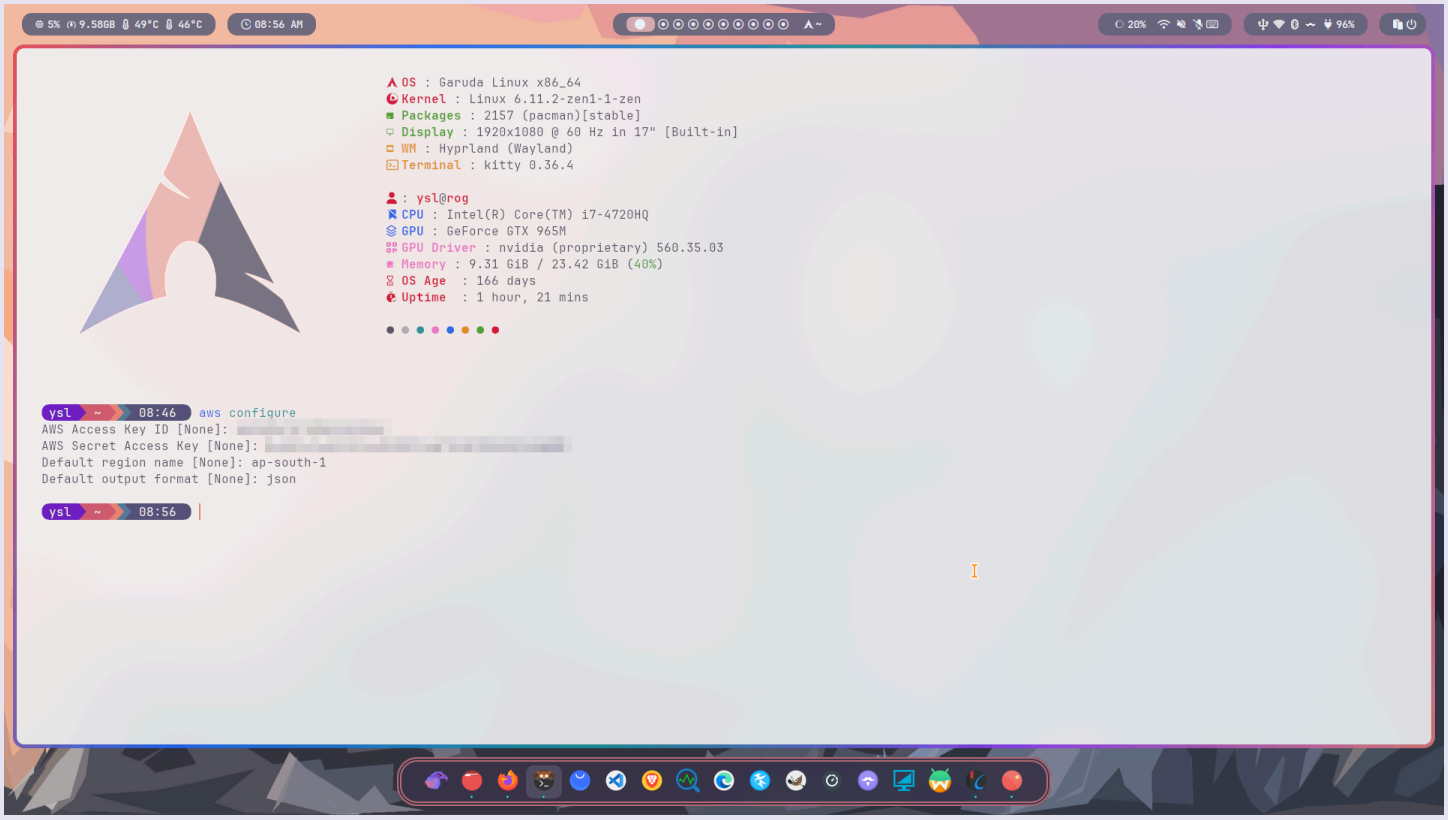
Name - Yash Lakhtariya
Enrollment number - 21162101012
Branch - CBA Batch - 71
CCE Practical 13





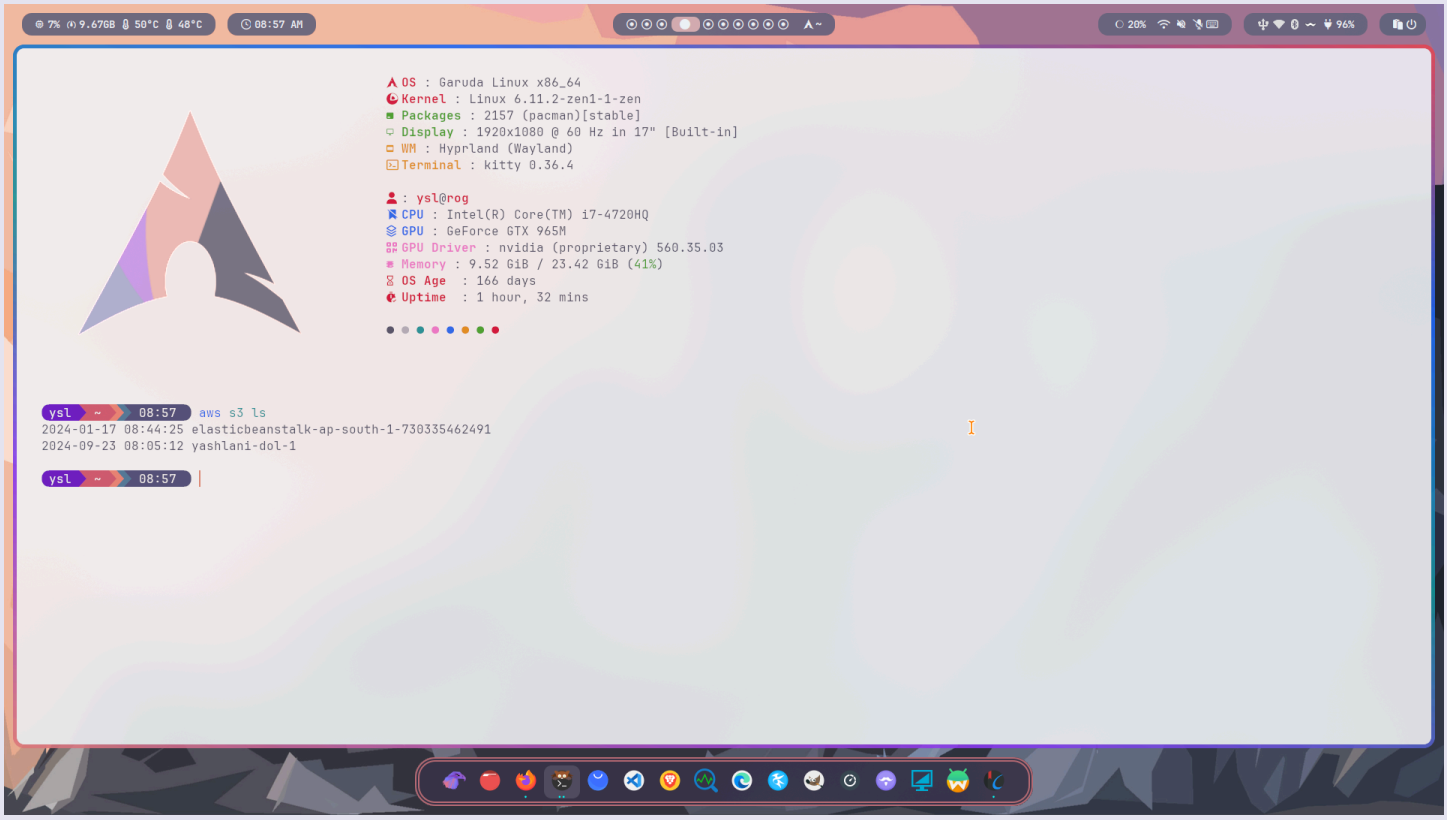
Name - Yash Lakhtariya
Enrollment number - 21162101012
Branch - CBA Batch - 71
CCE Practical 13

3. Configure aws cli in local system

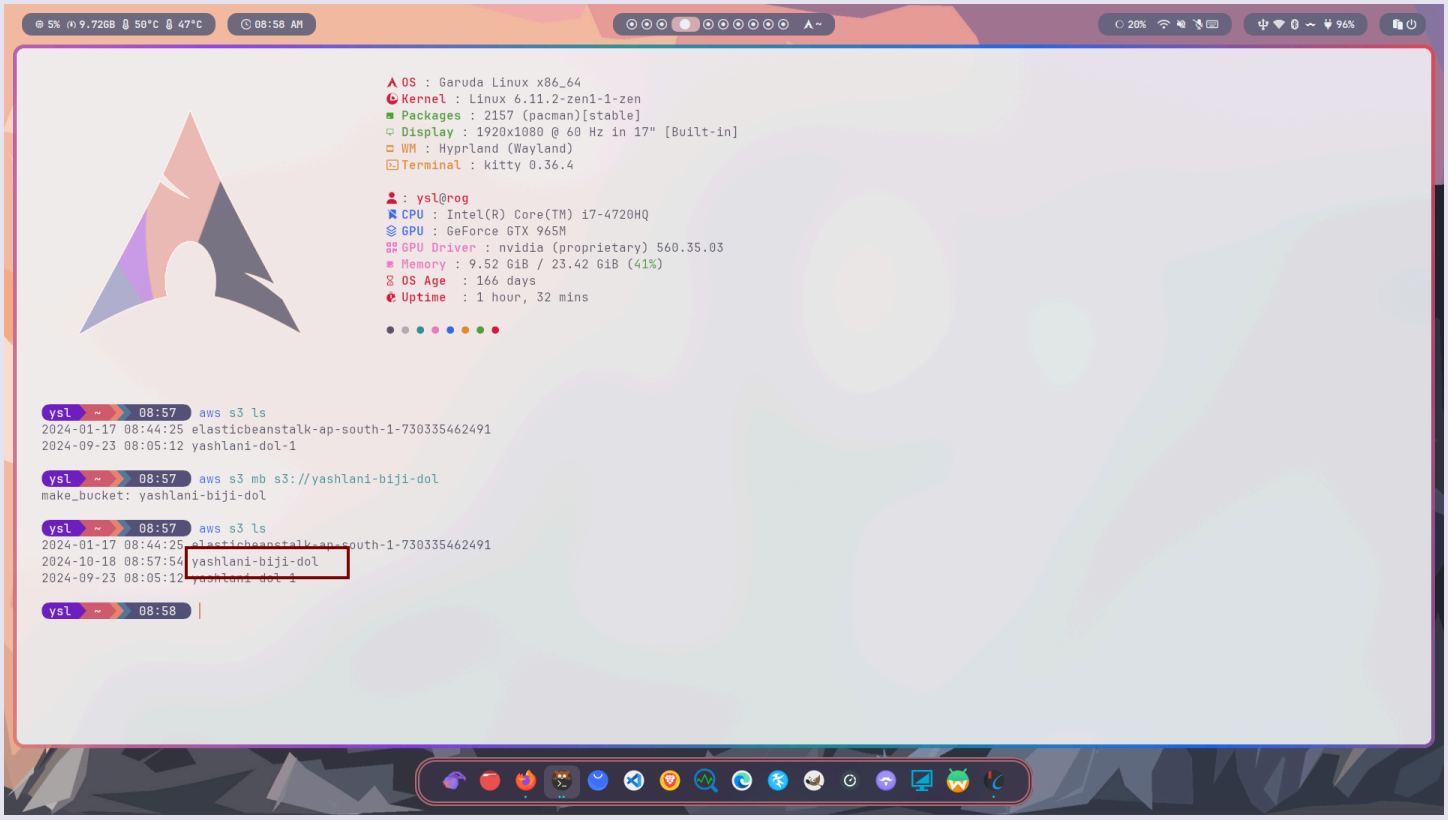


Name - Yash Lakhtariya
Enrollment number - 21162101012
Branch - CBA Batch - 71
CCE Practical 13

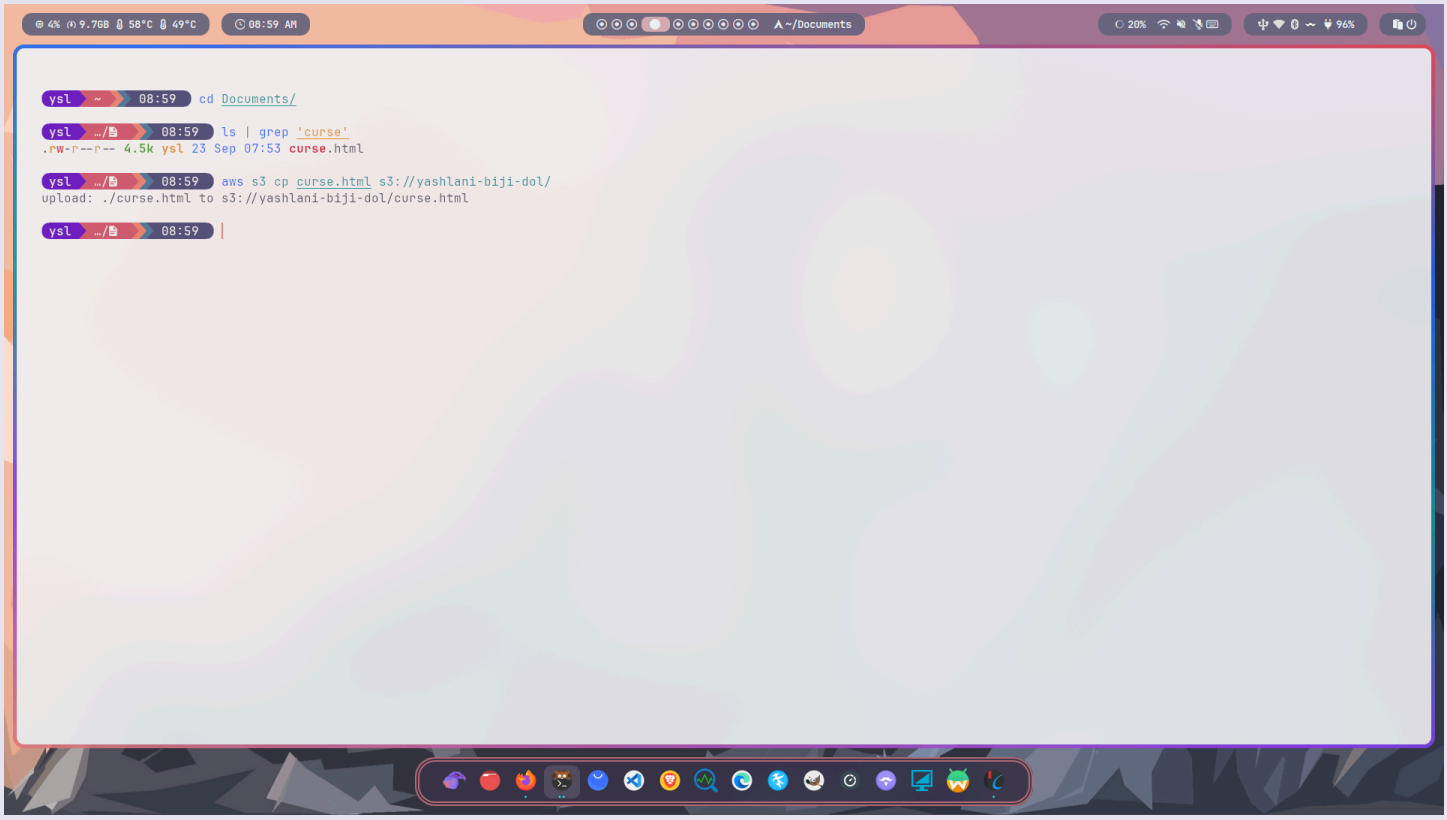
4. Try listing buckets in s3, creating and uploading data to it, deleting data, bucket

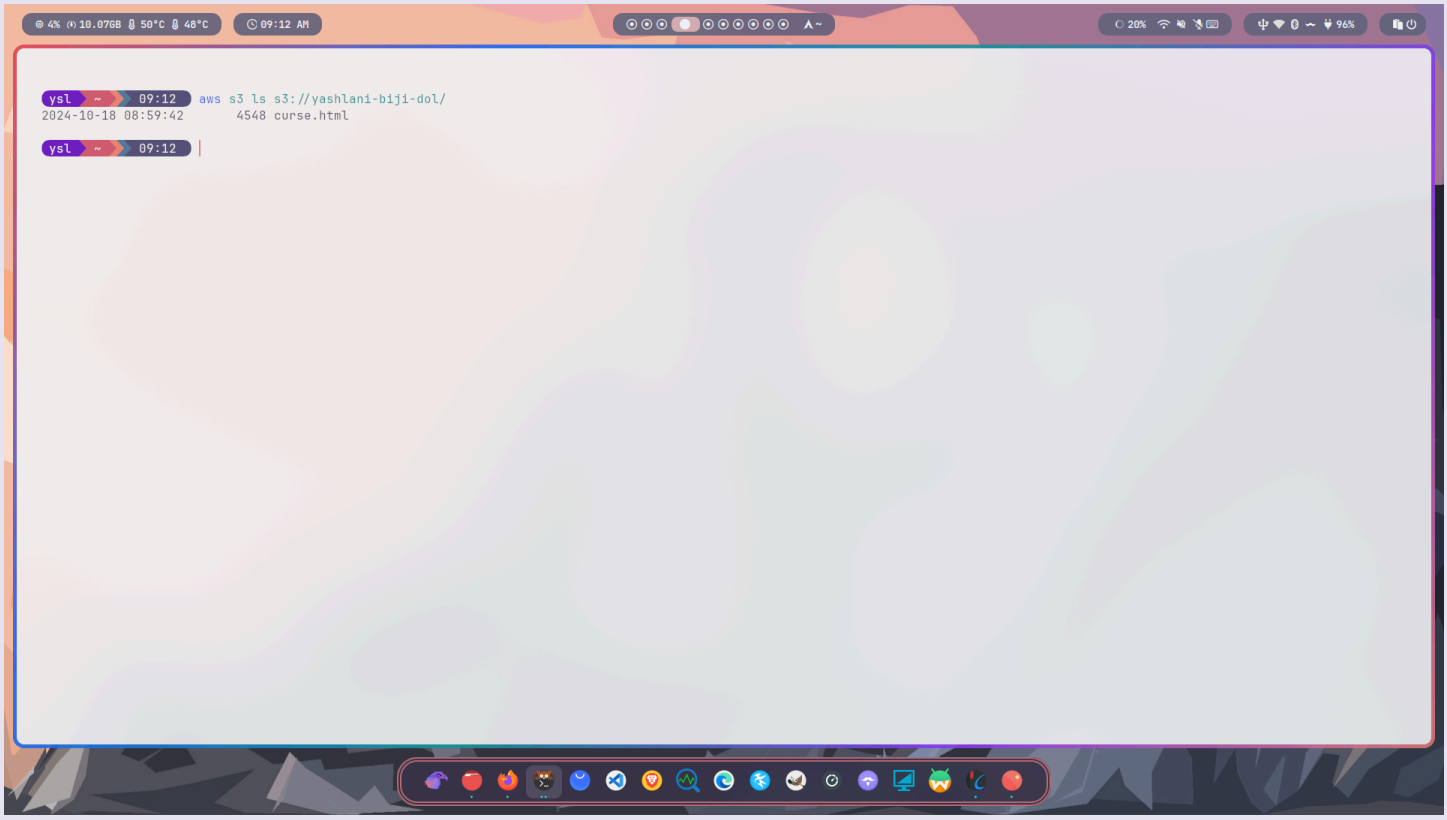


Name - Yash Lakhtariya
Enrollment number - 21162101012
Branch - CBA Batch - 71
CCE Practical 13

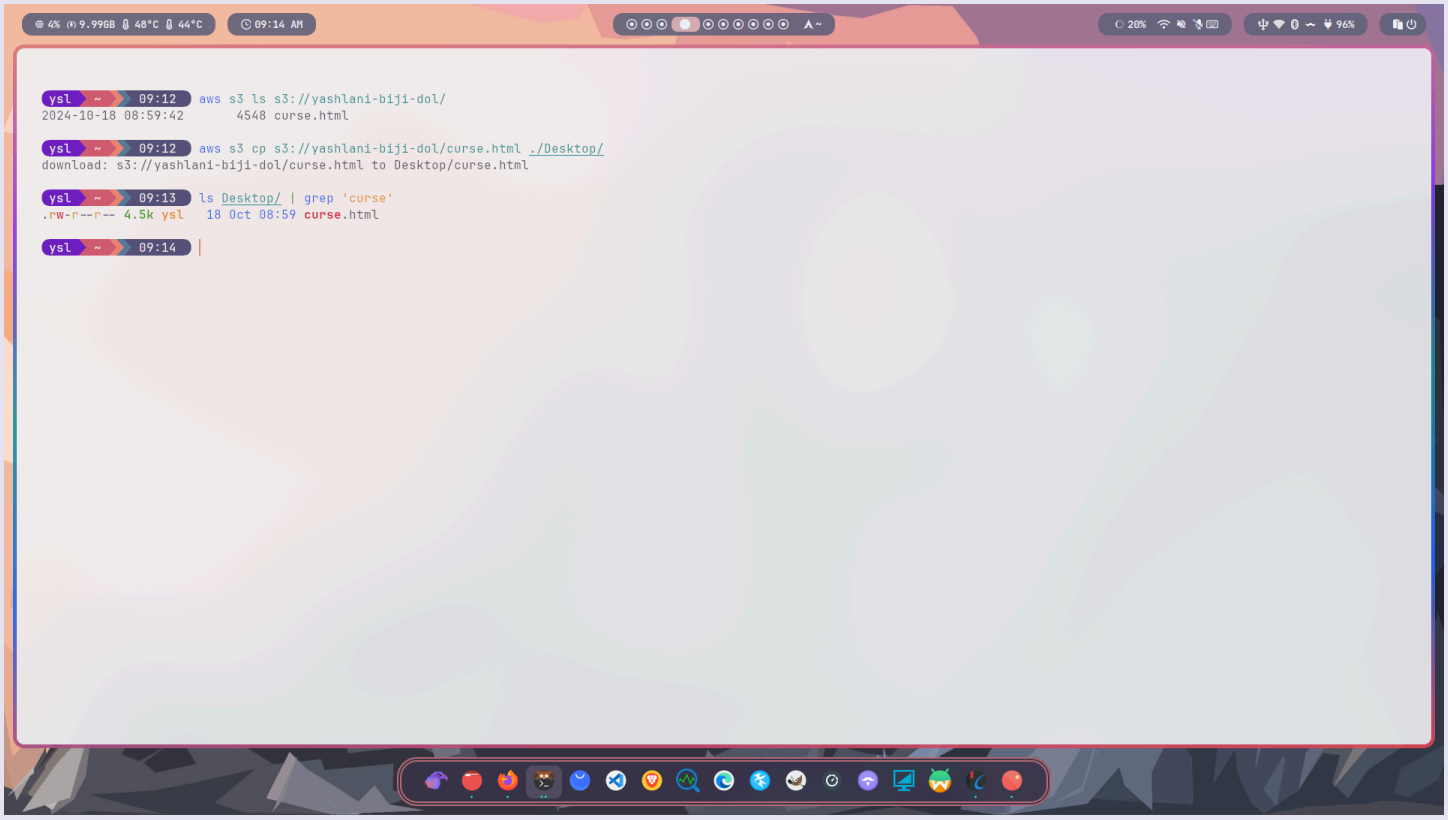


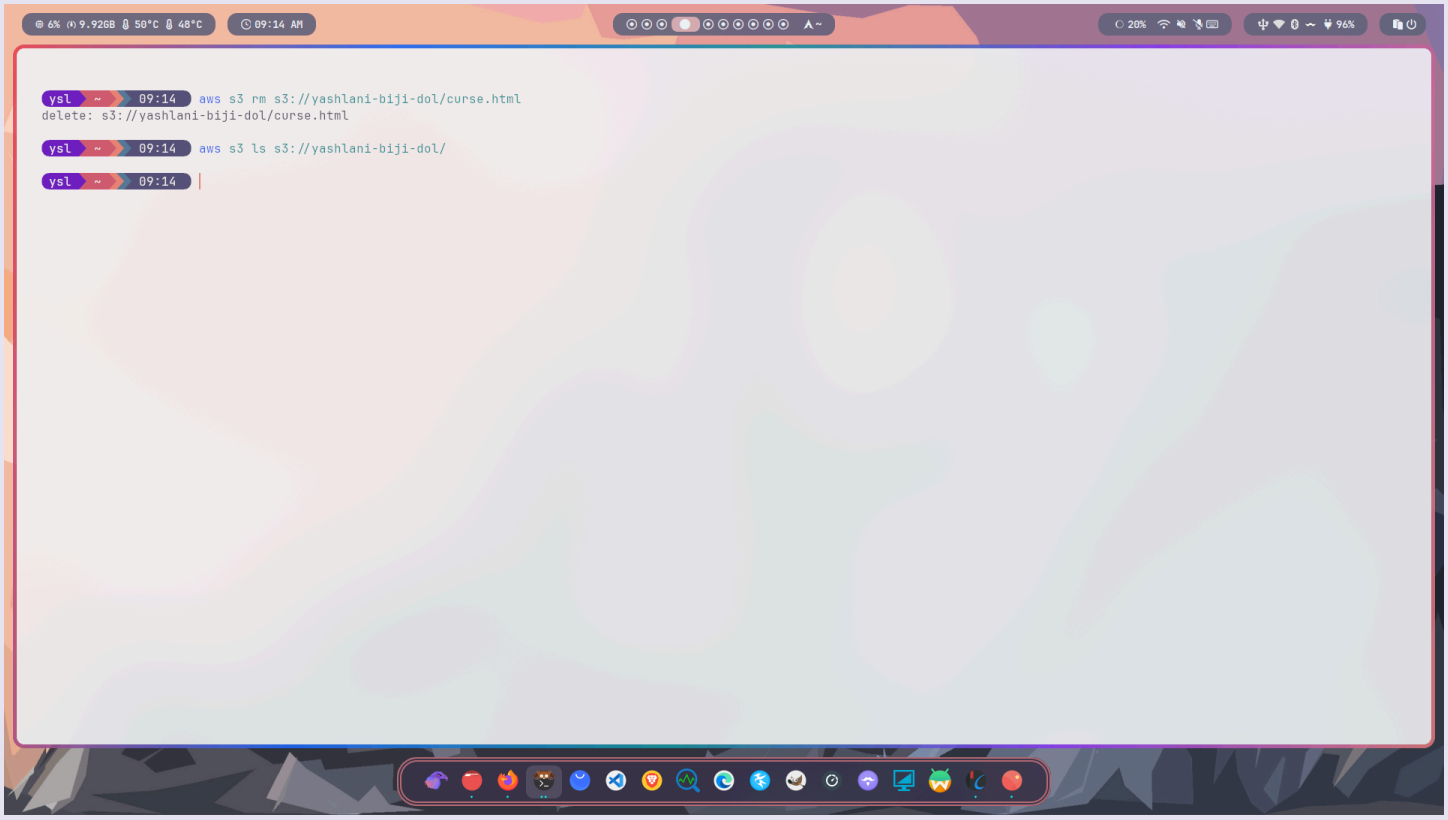
Name - Yash Lakhtariya
Enrollment number - 21162101012
Branch - CBA Batch - 71
CCE Practical 13



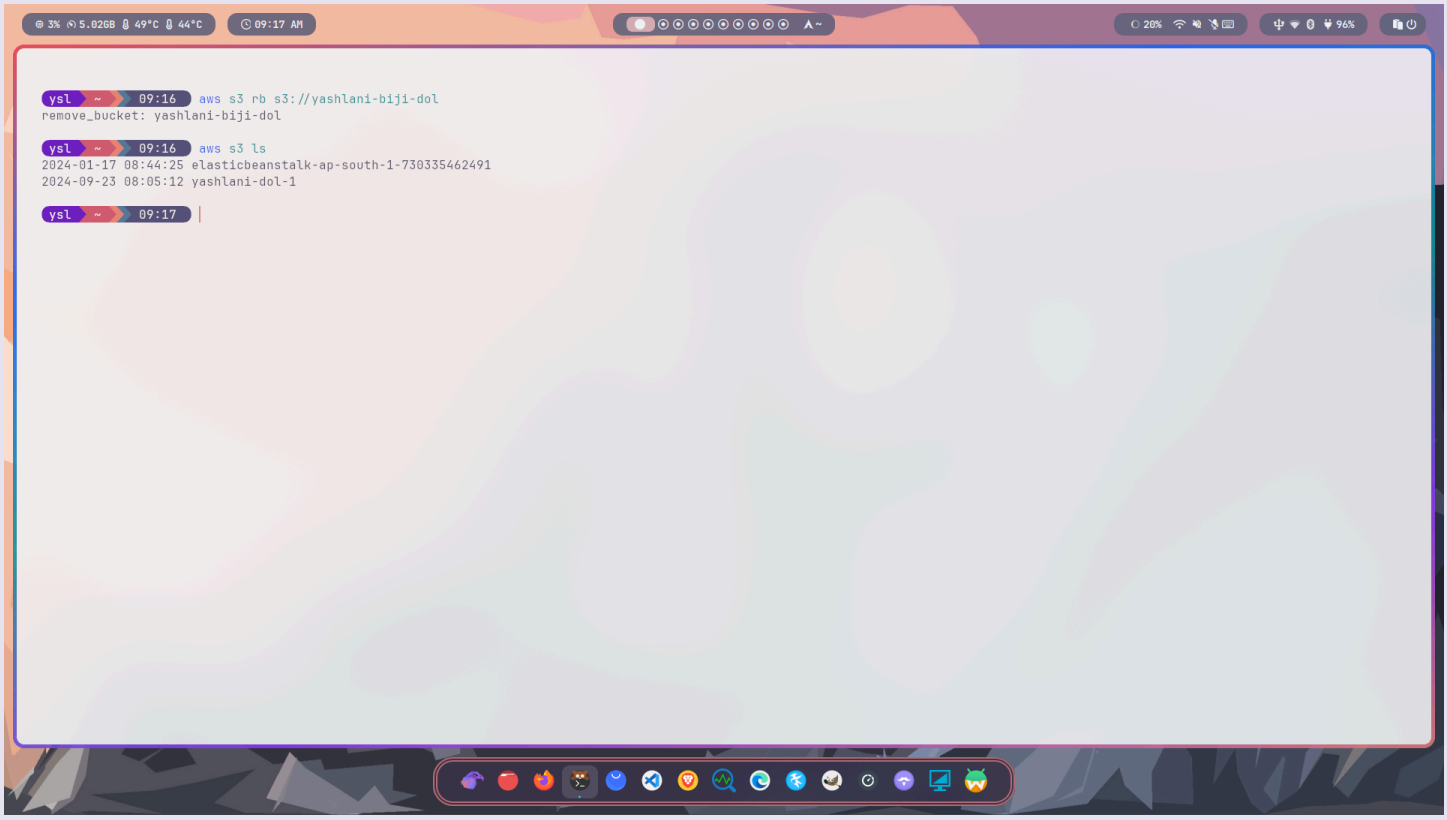


Name - Yash Lakhtariya
Enrollment number - 21162101012
Branch - CBA Batch - 71
CCE Practical 13



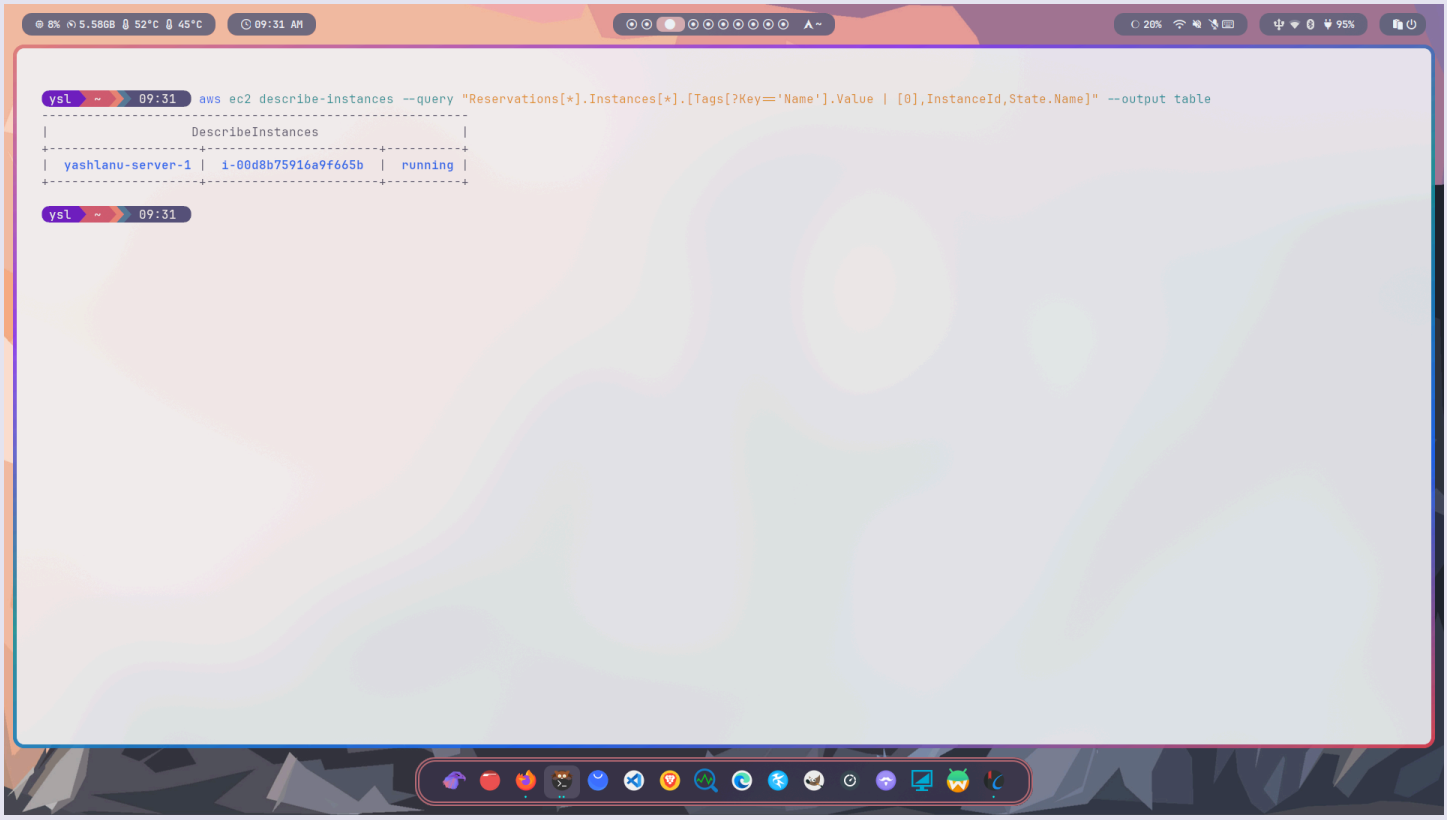


Name - Yash Lakhtariya
Enrollment number - 21162101012
Branch - CBA Batch - 71
CCE Practical 13



Name - Yash Lakhtariya
Enrollment number - 21162101012
Branch - CBA Batch - 71
CCE Practical 13

5. List EC2 instances and create one using CLI



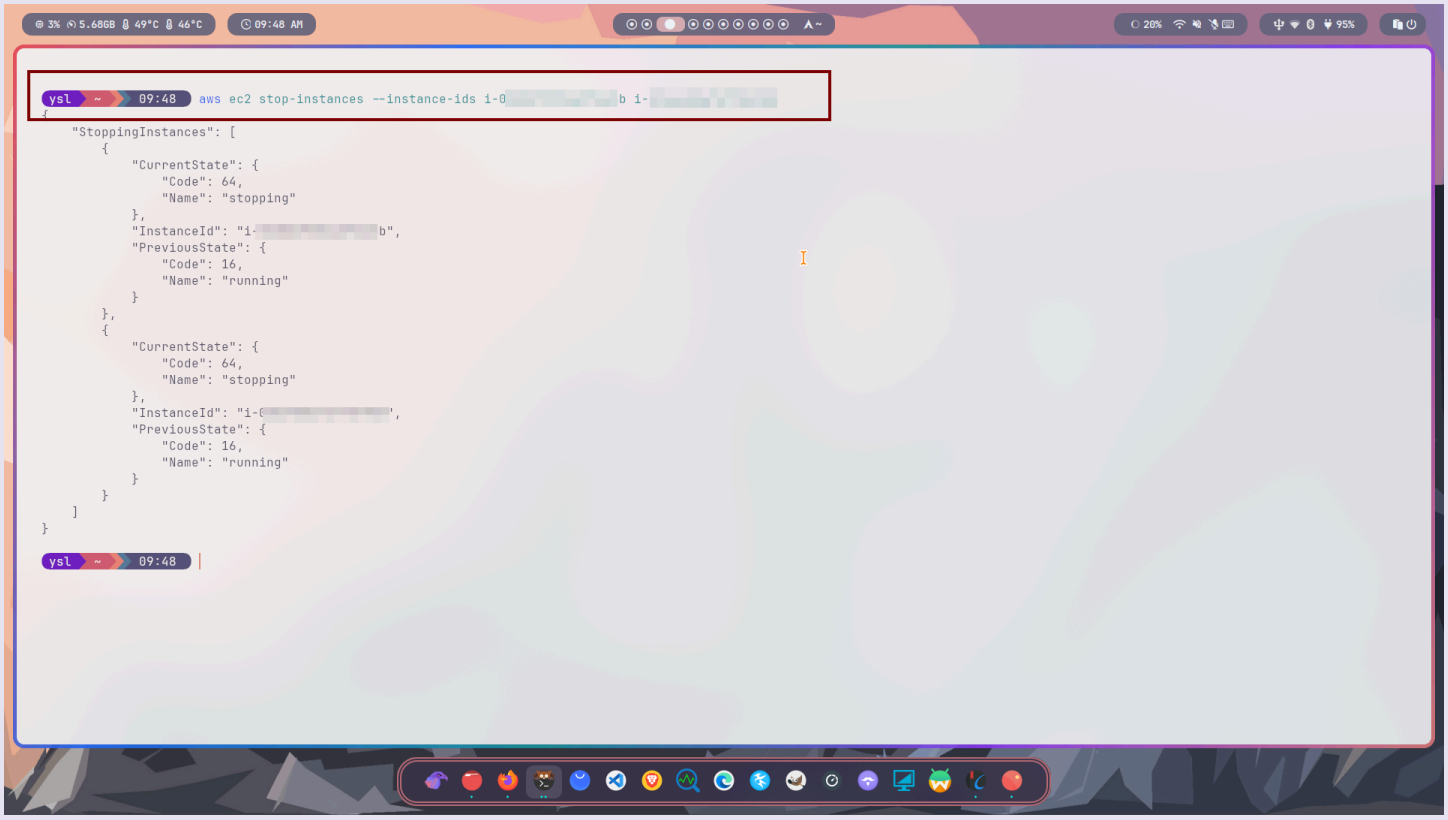
Name - Yash Lakhtariya
Enrollment number - 21162101012
Branch - CBA Batch - 71
CCE Practical 13

```
ysl ~ 09:44 aws ec2 run-instances --image-id ami-04a37924ffe27da53 --count 1 --instance-type t2.micro --key-name [redacted] --security-group-ids [redacted] --subnet-id [redacted] --tag-specifications 'ResourceType=instance,Tags=[{Key=Name,Value=yashlanu-biju-server}]'
{
    "Groups": [],
    "Instances": [
        {
            "AmiLaunchIndex": 0,
            "ImageId": "ami-04a37924ffe27da53",
            "InstanceId": [redacted]
            "InstanceType": "t2.micro",
            "KeyName": [redacted]
            "LaunchTime": "2024-10-18T04:14:56.000Z",
            "Monitoring": {
                "State": "disabled"
            },
            "Placement": {
                "AvailabilityZone": "ap-south-1a",
                "GroupName": "",
                "Tenancy": "default"
            },
            "PrivateDnsName": "[redacted].ap-south-1.compute.internal",
            "PrivateIpAddress": "[redacted]",
            "ProductCodes": [],
            "PublicDnsName": "",
            "State": {
                "Code": 0,
                "Name": "pending"
            },
            "StateTransitionReason": "",
            "SubnetId": "[redacted]
            "VpcId": [redacted]
            "Architecture": "x86_64",
            "BlockDeviceMappings": [],
            "ClientToken": [redacted]
            "EbsOptimized": false,
            "EnaSupport": true,
            "Hypervisor": "xen",
            "NetworkInterfaces": [
```

```
ysl ~ 09:46 aws ec2 describe-instances --query "Reservations[*].Instances[*].[Tags[?Key=='Name'].Value | [0],InstanceId,State.Name]" --output table
-------------------------------------------------------------
|                      DescribeInstances                      |
+----------------------+----------------------+-------------+
| [redacted]           | [redacted]           | [redacted]  |
| [redacted]           | [redacted]           | [redacted]  |
| yashlanu-biju-server | [redacted]           | running     |
| yashlanu-server-1    | [redacted]           | running     |
+----------------------+----------------------+-------------+

ysl ~ 09:46
```

Name - Yash Lakhtariya
Enrollment number - 21162101012
Branch - CBA Batch - 71
CCE Practical 13

6. Stop instance using cli

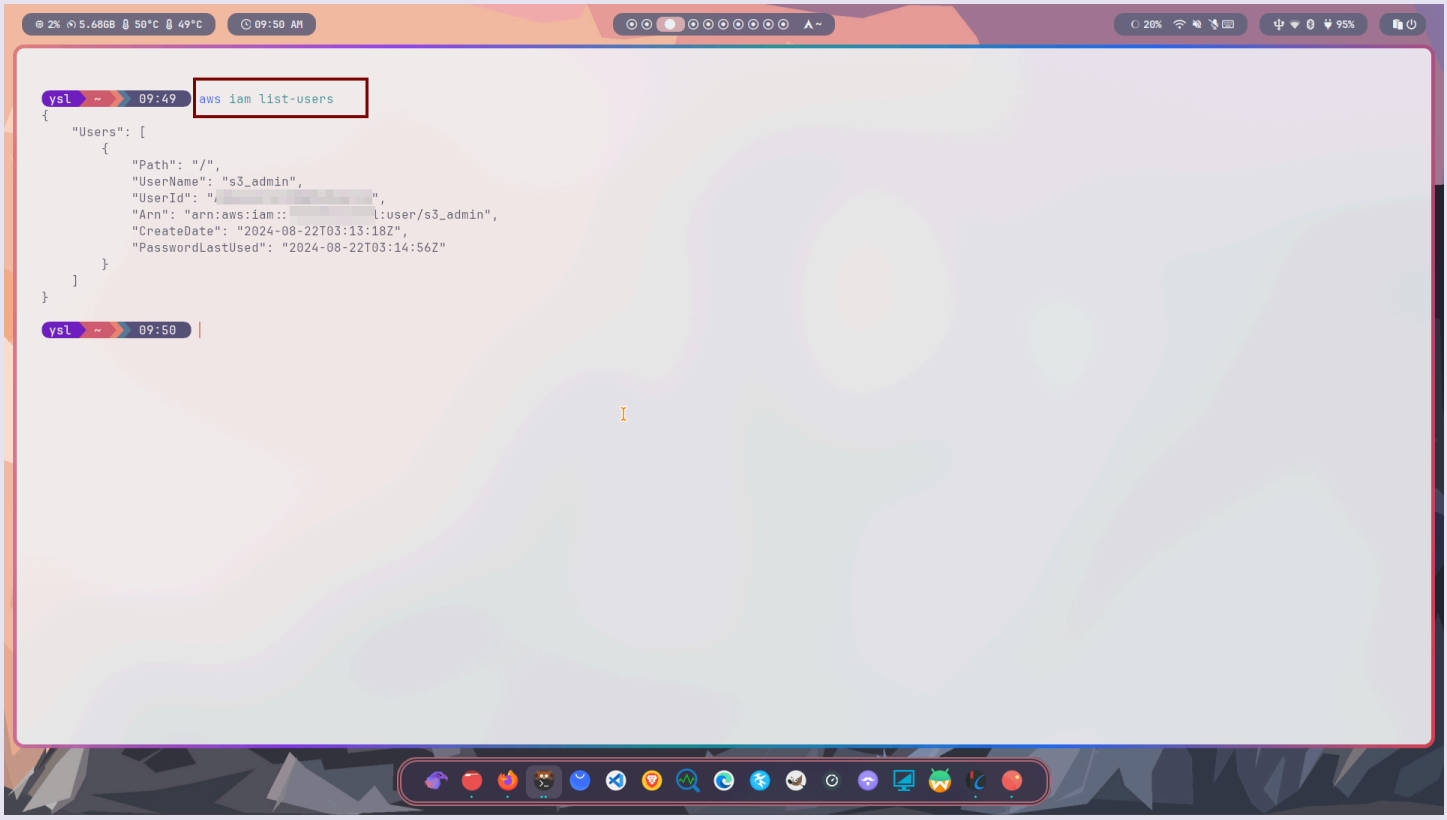


Name - Yash Lakhtariya
Enrollment number - 21162101012
Branch - CBA Batch - 71
CCE Practical 13

```
ysl ~ 09:48 aws ec2 stop-instances --instance-ids i-00d8b75916a9f665b i-036e488a7d7704f0d
{
    "StoppingInstances": [
        {
            "CurrentState": {
                "Code": 64,
                "Name": "stopping"
            },
            "InstanceId": "i-00d8b75916a9f665b",
            "PreviousState": {
                "Code": 16,
                "Name": "running"
            }
        },
        {
            "CurrentState": {
                "Code": 64,
                "Name": "stopping"
            },
            "InstanceId": "i-036e488a7d7704f0d",
            "PreviousState": {
                "Code": 16,
                "Name": "running"
            }
        }
    ]
}

ysl ~ 09:48 aws ec2 describe-instances --query "Reservations[*].Instances[*].[Tags[?Key=='Name'].Value | [0],InstanceId,State.Name]" --output table
-----------------------------------------------------------------
|                       DescribeInstances                       |
+-----------------------+----------------------+-------------+
|                       |                      |  terminated |
|                       |                      |  terminated |
|  yashlanu-biju-server |  i-                  |  stopped    |
|  yashlanu-server-1    |  i-                  |  stopped    |
+-----------------------+----------------------+-------------+

ysl ~ 09:49
```

Name - Yash Lakhtariya
Enrollment number - 21162101012
Branch - CBA Batch - 71
CCE Practical 13

7. List and create, delete IAM users from CLI

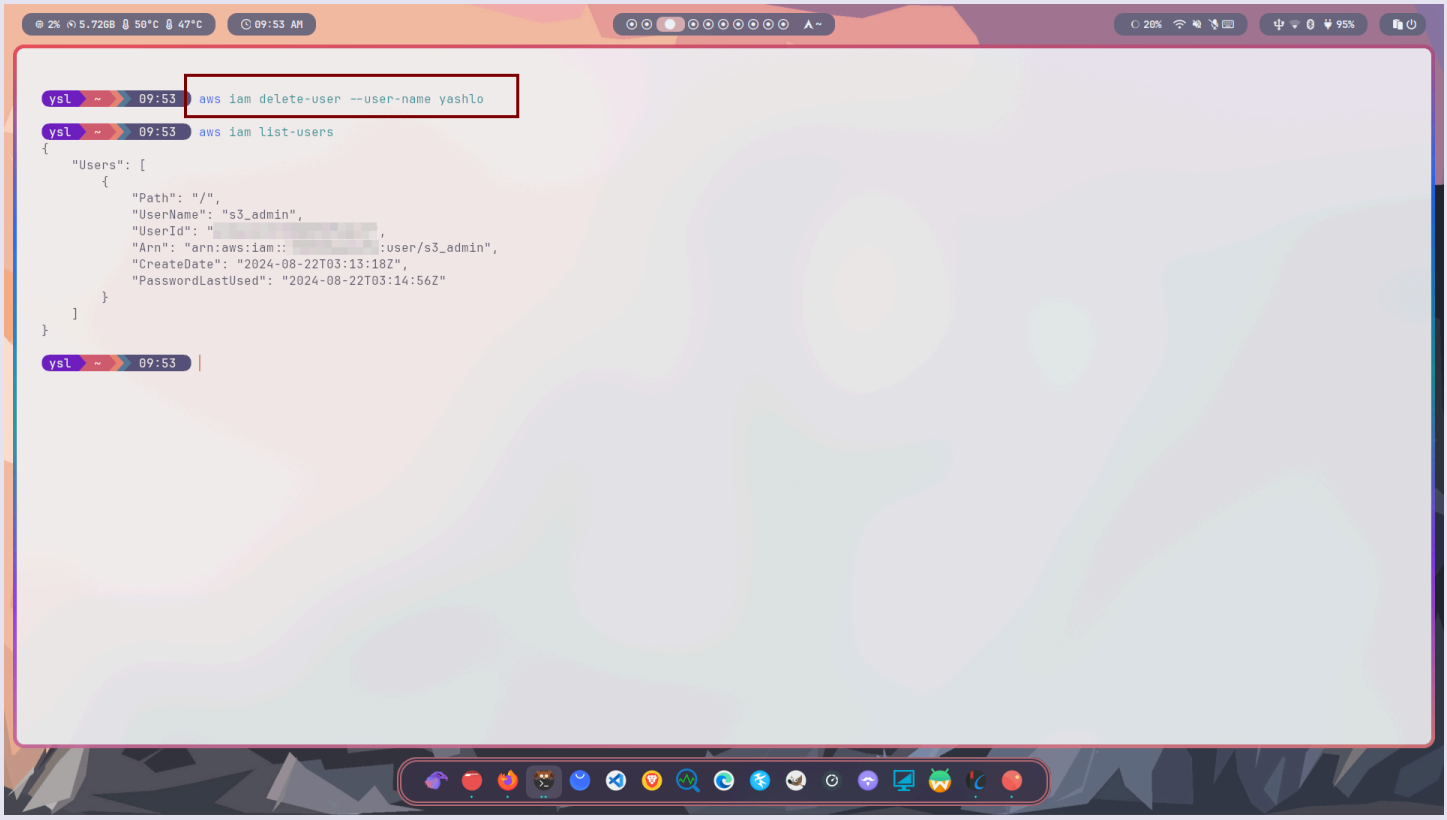


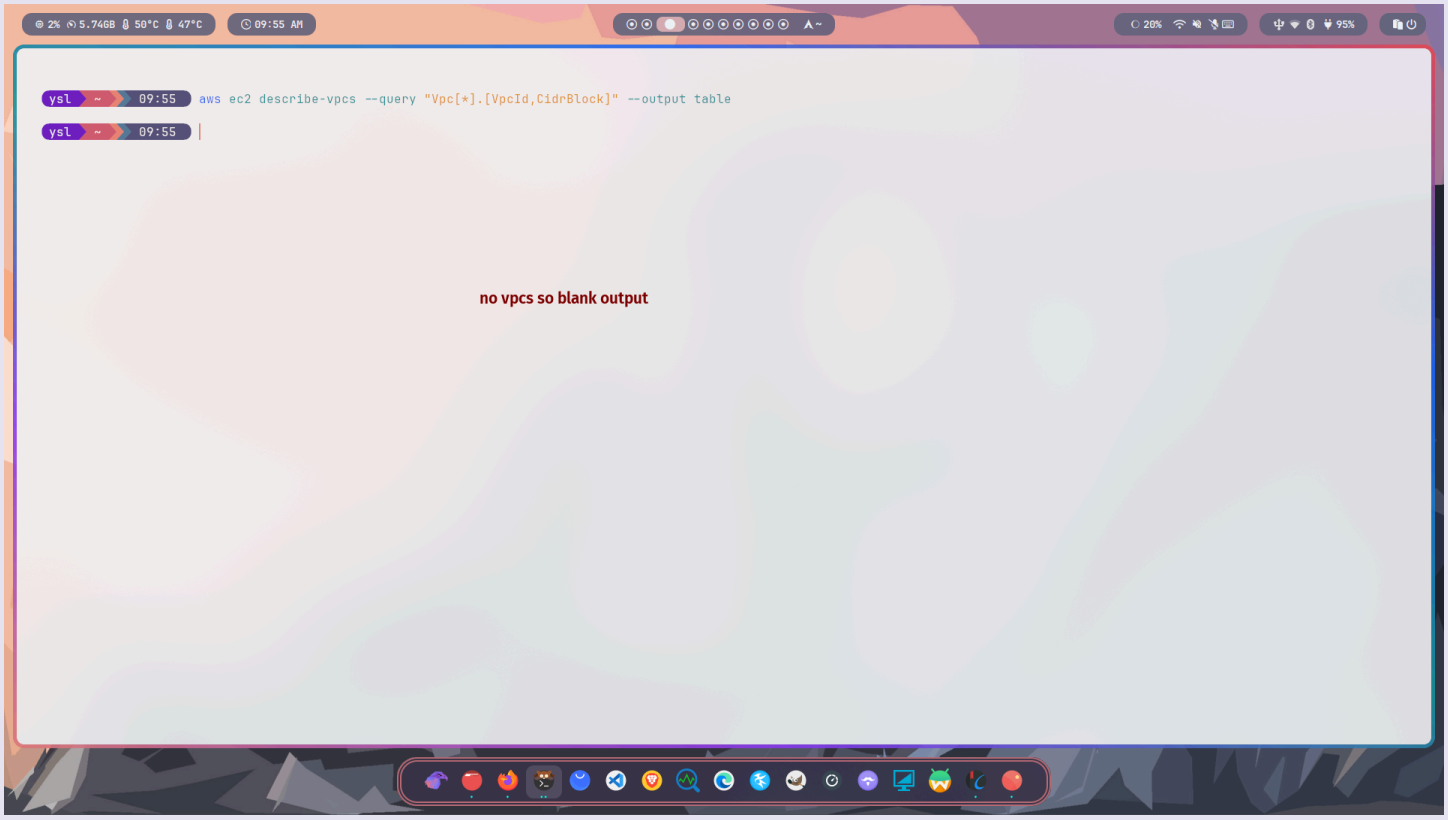
Name - Yash Lakhtariya
Enrollment number - 21162101012
Branch - CBA Batch - 71
CCE Practical 13

```
ysl ~ 09:49 aws iam list-users
{
    "Users": [
        {
            "Path": "/",
            "UserName": "s3_admin",
            "UserId": "AIDA2UC3CYRNRMSM5QCVO",
            "Arn": "arn:aws:iam::730335462491:user/s3_admin",
            "CreateDate": "2024-08-22T03:13:18Z",
            "PasswordLastUsed": "2024-08-22T03:14:56Z"
        }
    ]
}

ysl ~ 09:50 aws iam create-user --user-name yashlo
{
    "User": {
        "Path": "/",
        "UserName": "yashlo",
        "UserId": "[redacted]",
        "Arn": "arn:aws:iam::[redacted]1:user/yashlo",
        "CreateDate": "2024-10-18T04:21:48Z"
    }
}

ysl ~ 09:51
```

```
ysl ~ 09:52 aws iam list-users
{
    "Users": [
        {
            "Path": "/",
            "UserName": "s3_admin",
            "UserId": "[redacted]",
            "Arn": "arn:aws:iam::[redacted]:user/s3_admin",
            "CreateDate": "2024-08-22T03:13:18Z",
            "PasswordLastUsed": "2024-08-22T03:14:56Z"
        },
        {
            "Path": "/",
            "UserName": "yashlo",
            "UserId": "[redacted]",
            "Arn": "arn:aws:iam::[redacted]:user/yashlo",
            "CreateDate": "2024-10-18T04:21:48Z"
        }
    ]
}

ysl ~ 09:52
```

Name - Yash Lakhtariya
Enrollment number - 21162101012
Branch - CBA Batch - 71
CCE Practical 13



Name - Yash Lakhtariya
Enrollment number - 21162101012
Branch - CBA Batch - 71
CCE Practical 13

8. List VPCs using CLI