

CLOUD COMPUTING

7DAY FREE MASTERCLASS

RADHIKA.V

radhikav742@gmail.com

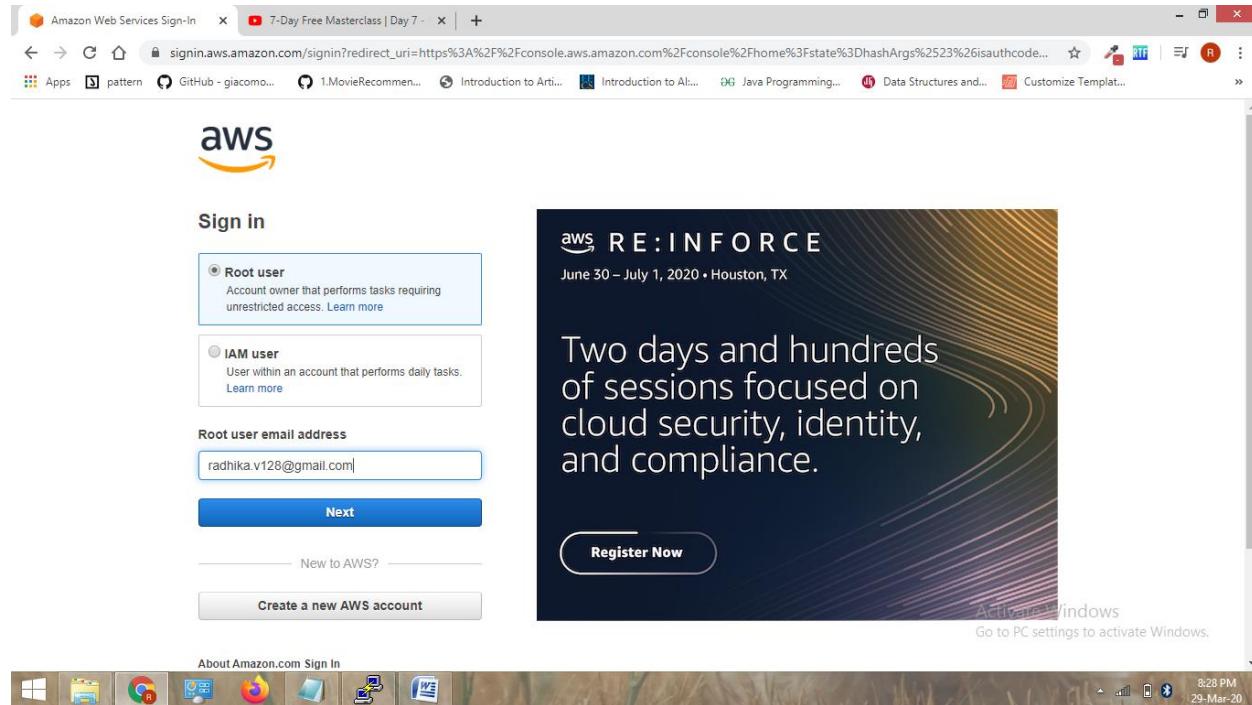
- Vit university
- M.Tech software engineering
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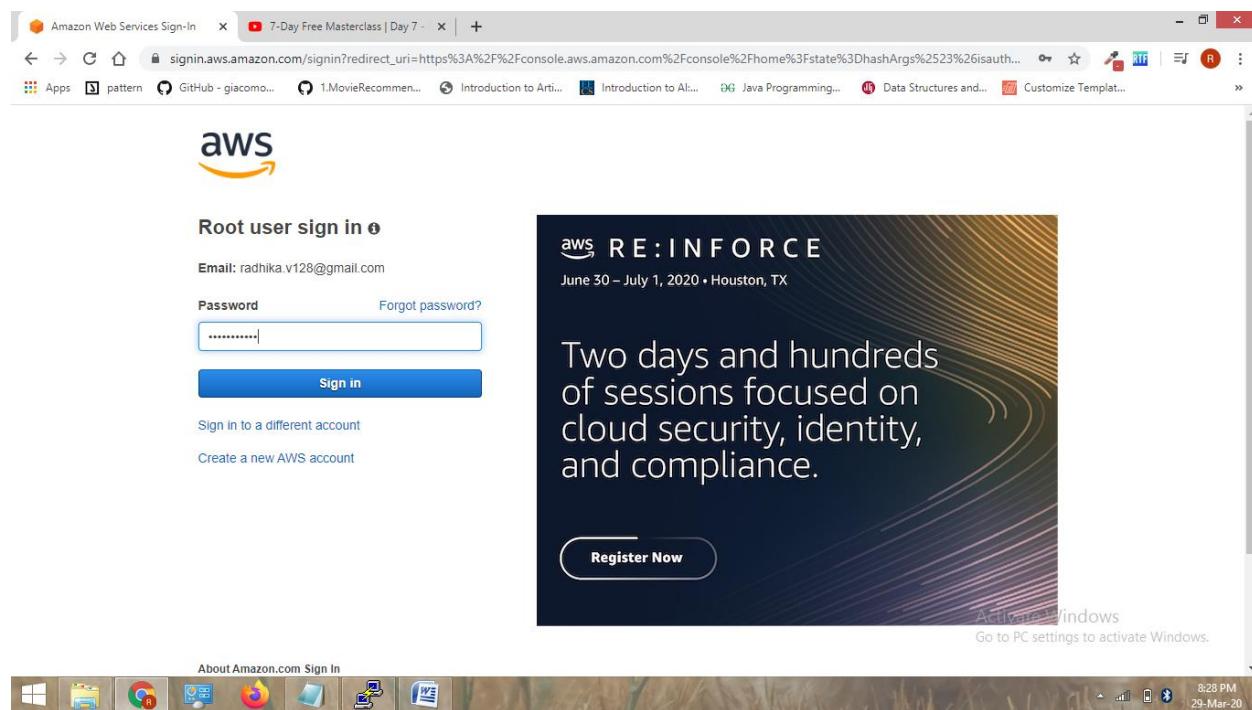
GITHUB:Radhikavit1

GUIDE: ETHNUS

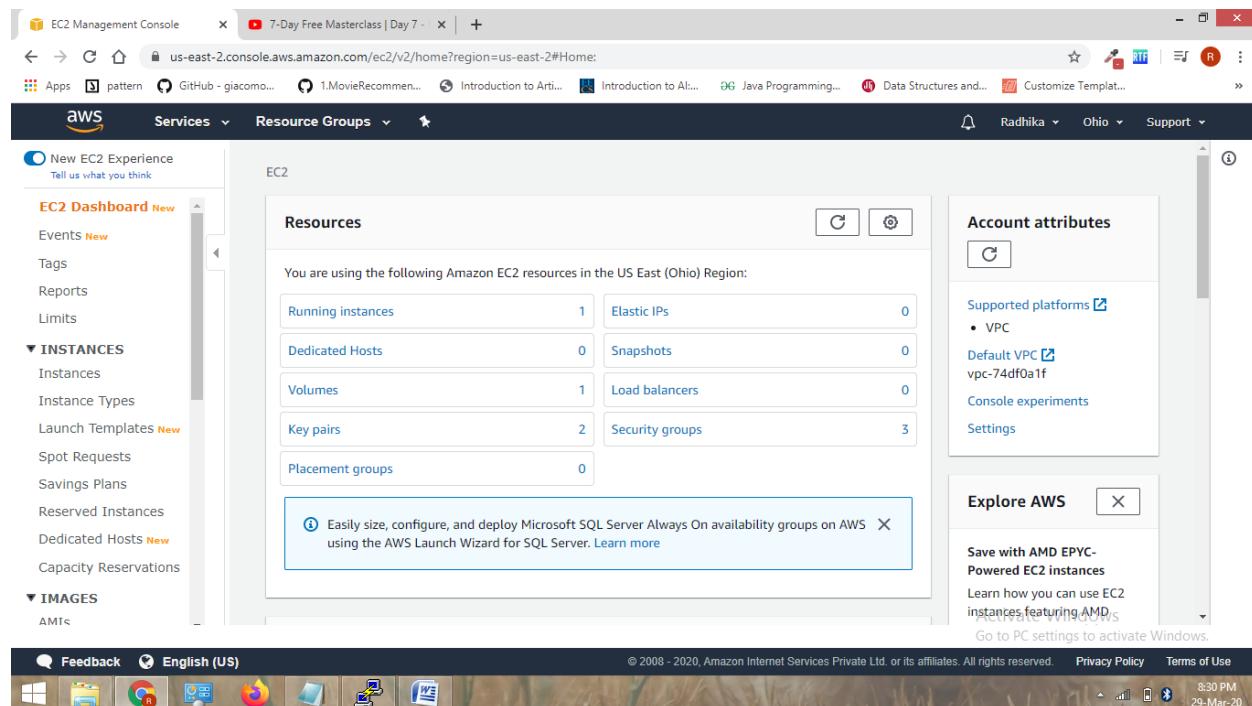
AWS SCREENSHOT

1.AWS LOGIN SCREEN WITH USERNAME:





2. EC2 DASHBOARD:



3. S3 DASHBOARD:

The screenshot shows the AWS S3 Management Console. The left sidebar has sections for Buckets, Batch operations, Access analyzer for S3, Block public access (account settings), and Feature spotlight. The main area displays a table titled 'Buckets (1)'. The table has columns for Name, Region, Access, and Bucket created. One row is shown: 'aws-webinar-radhika' in US East (Ohio) us-east-2, with 'Objects can be public' under Access and '2020-03-28T14:06:56.000Z' under Bucket created. A blue banner at the top says: 'We're gradually updating the design of the Amazon S3 console. You will notice some updated screens as we improve the performance and user interface. To help us improve the experience, give feedback on the recent updates.' The bottom of the screen shows a Windows taskbar with various icons and a system tray indicating the date as 29-Mar-20.

4. REKOGNITION DASHBOARD:

The screenshot shows the AWS Rekognition Console. The left sidebar lists services like Custom Labels, Demos, Image moderation, Facial analysis, Celebrity recognition, Face comparison, Text in image, Video Demos, Metrics, and Metrics. The main area features a large banner for 'Amazon Rekognition' with the subtext 'Deep learning-based visual analysis service' and 'Search, verify, and organize millions of images and videos'. It includes a 'Try Demo' button and a 'Download SDKs' button. Below the banner, there are three icons: a stack of documents labeled 'Easily Integrate Powerful Visual Analysis into Your App', a gear labeled 'Continuously Learning' with the text 'Amazon Rekognition is designed to use', and a puzzle piece labeled 'Integrated with AWS Services' with the text 'Activate Windows' and 'Amazon Rekognition is designed to work with other AWS services'. The bottom of the screen shows a Windows taskbar with various icons and a system tray indicating the date as 29-Mar-20.

EC2 SCREENSHOTS

1. CHOOSING AMI

Step 1: Choose an Amazon Machine Image (AMI)

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. You can select an AMI provided by AWS, our user community, or the AWS Marketplace, or you can select one of your own AMIs.

Search for an AMI by entering a search term e.g. "Windows"

Quick Start

My AMIs

AWS Marketplace

Community AMIs

Free tier only

Amazon Linux 2 AMI (HVM), SSD Volume Type - ami-0e01ce4ee18447327 (64-bit x86) / ami-03201f374ab66a26e (64-bit Arm)
Free tier eligible

Amazon Linux 2 comes with five years support. It provides Linux kernel 4.14 tuned for optimal performance on Amazon EC2, systemd 219, GCC 7.3, Gilbc 2.26, Binutils 2.29.1, and the latest software packages through extras.

Select
64-bit (x86)
64-bit (Arm)

Root device type: ebs Virtualization type: hvm ENA Enabled: Yes

Amazon Linux AMI 2018.03.0 (HVM), SSD Volume Type - ami-01b01bbd08f24c7a8
Free tier eligible

The Amazon Linux AMI is an EBS-backed, AWS-supported image. The default image includes AWS command line tools, Python, Ruby, Perl, and Java. The repositories include Docker, PHP, MySQL, PostgreSQL, and other packages.

Select
64-bit (x86)

Activate Windows
Go to PC settings to activate Windows.

Feedback English (US) Privacy Policy Terms of Use 5:32 PM 26-Mar-20

2. CHOOSING AN INSTANCE TYPE:

Step 2: Choose an Instance Type

Amazon EC2 provides a wide selection of instance types optimized to fit different use cases. Instances are virtual servers that can run applications. They have varying combinations of CPU, memory, storage, and networking capacity, and give you the flexibility to choose the appropriate mix of resources for your applications. [Learn more](#) about instance types and how they can meet your computing needs.

Filter by: All instance types Current generation Show/Hide Columns

Currently selected: t2.micro (Variable ECUs, 1 vCPUs, 2.5 GHz, Intel Xeon Family, 1 GiB memory, EBS only)

| | Family | Type | vCPUs | Memory (GiB) | Instance Storage (GB) | EBS-Optimized Available | Network Performance | IPv6 Support |
|-------------------------------------|-----------------|--------------------------------|-------|--------------|-----------------------|-------------------------|---------------------|--------------|
| <input type="checkbox"/> | General purpose | t2.nano | 1 | 0.5 | EBS only | - | Low to Moderate | Yes |
| <input checked="" type="checkbox"/> | General purpose | t2.micro Free tier eligible | 1 | 1 | EBS only | - | Low to Moderate | Yes |
| <input type="checkbox"/> | General purpose | t2.small | 1 | 2 | EBS only | - | Low to Moderate | Yes |
| <input type="checkbox"/> | General purpose | t2.medium | 2 | 4 | EBS only | - | Low to Moderate | Yes |
| <input type="checkbox"/> | General purpose | t2.large | 8 | 8 | EBS only | - | High | Yes |

Cancel Previous Review and Launch Next: Configure Instance Details Go to PC settings to activate Windows.

Feedback English (US) Privacy Policy Terms of Use 5:33 PM 26-Mar-20

3. ADDING STORAGE:

Step 4: Add Storage

Your instance will be launched with the following storage device settings. You can attach additional EBS volumes and instance store volumes to your instance, or edit the settings of the root volume. You can also attach additional EBS volumes after launching an instance, but not instance store volumes. [Learn more](#) about storage options in Amazon EC2.

| Volume Type | Device | Snapshot | Size (GiB) | Volume Type | IOPS | Throughput (MB/s) | Delete on Termination | Encryption |
|-------------|-----------|------------------------|------------|---------------------------|------------|-------------------|-------------------------------------|---------------|
| Root | /dev/xvda | snap-0f54692056aaa4c20 | 8 | General Purpose SSD (gp2) | 100 / 3000 | N/A | <input checked="" type="checkbox"/> | Not Encrypted |

Add New Volume

Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage. [Learn more](#) about free usage tier eligibility and usage restrictions.

Cancel Previous **Review and Launch** Next: Add Tags Go to PC settings to activate Windows.

4. CONFIGURING SECURITY GROUP:

Step 6: Configure Security Group

A security group is a set of firewall rules that control the traffic for your instance. On this page, you can add rules to allow specific traffic to reach your instance. For example, if you want to set up a web server and allow Internet traffic to reach your instance, add rules that allow unrestricted access to the HTTP and HTTPS ports. You can create a new security group or select from an existing one below. [Learn more](#) about Amazon EC2 security groups.

Assign a security group: Create a new security group Select an existing security group

Security group name:

Description:

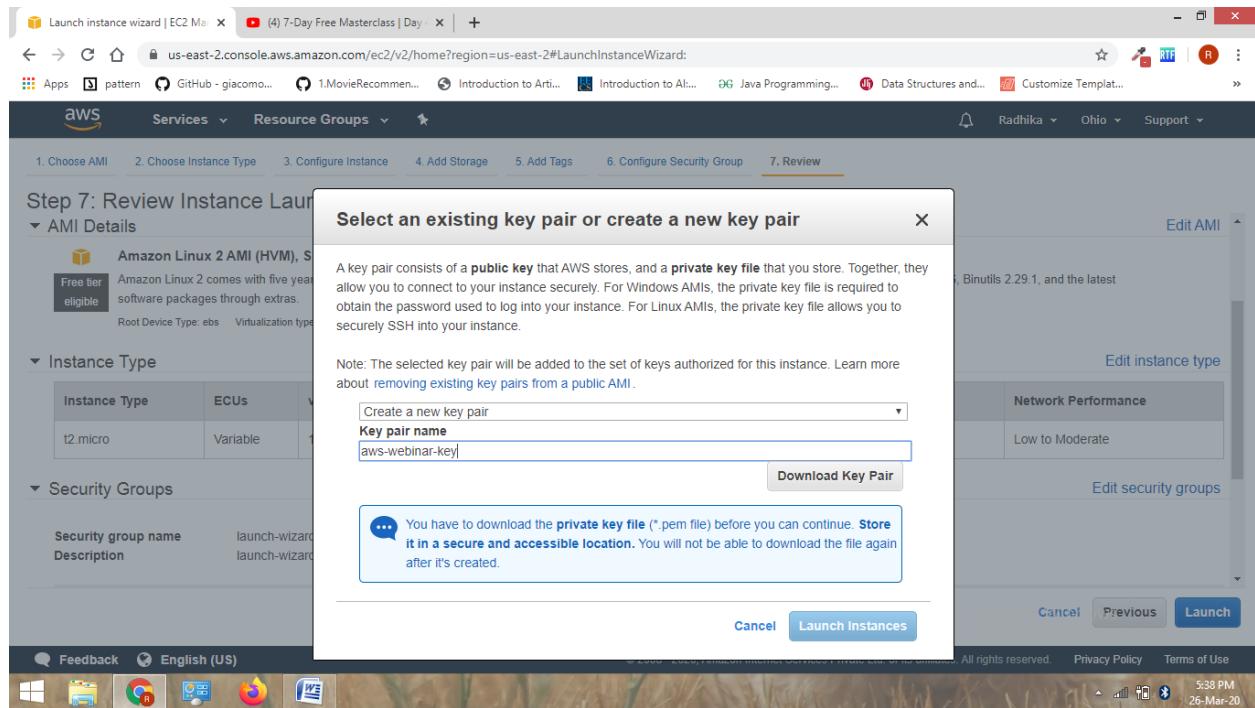
| Type | Protocol | Port Range | Source | Description |
|------|----------|------------|------------------|----------------------------|
| SSH | TCP | 22 | Custom 0.0.0.0/0 | e.g. SSH for Admin Desktop |

Add Rule

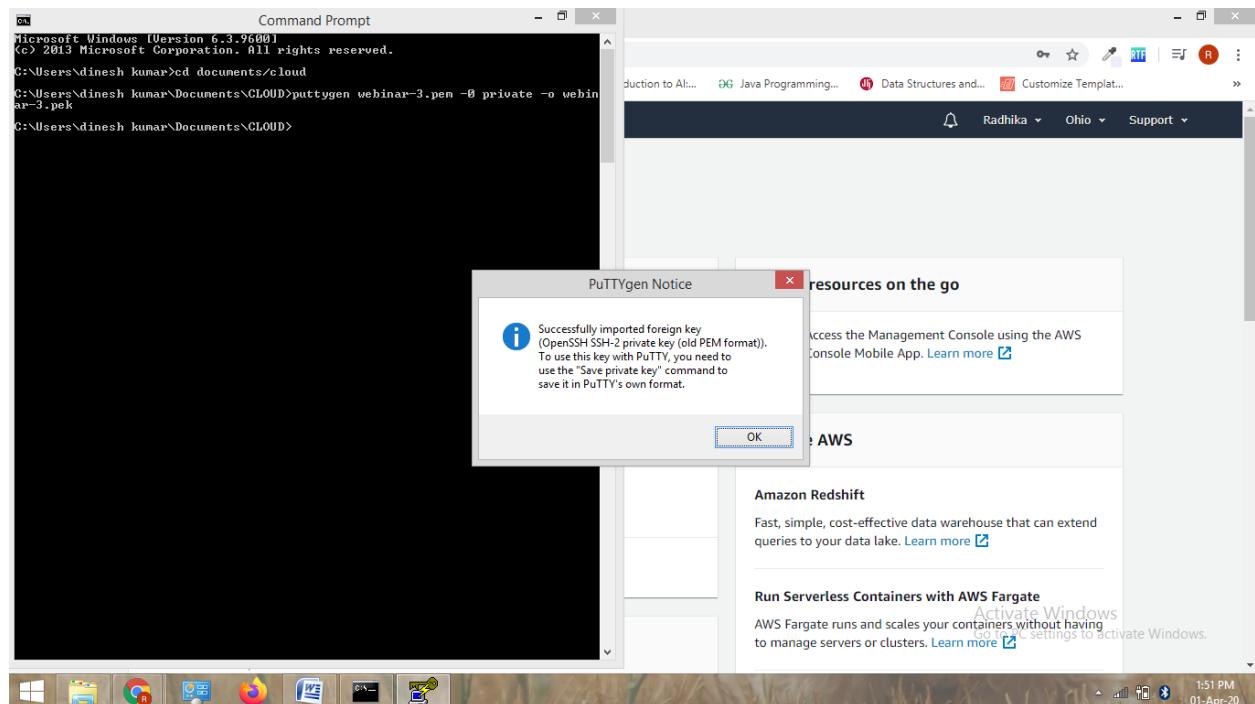
Warning
Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

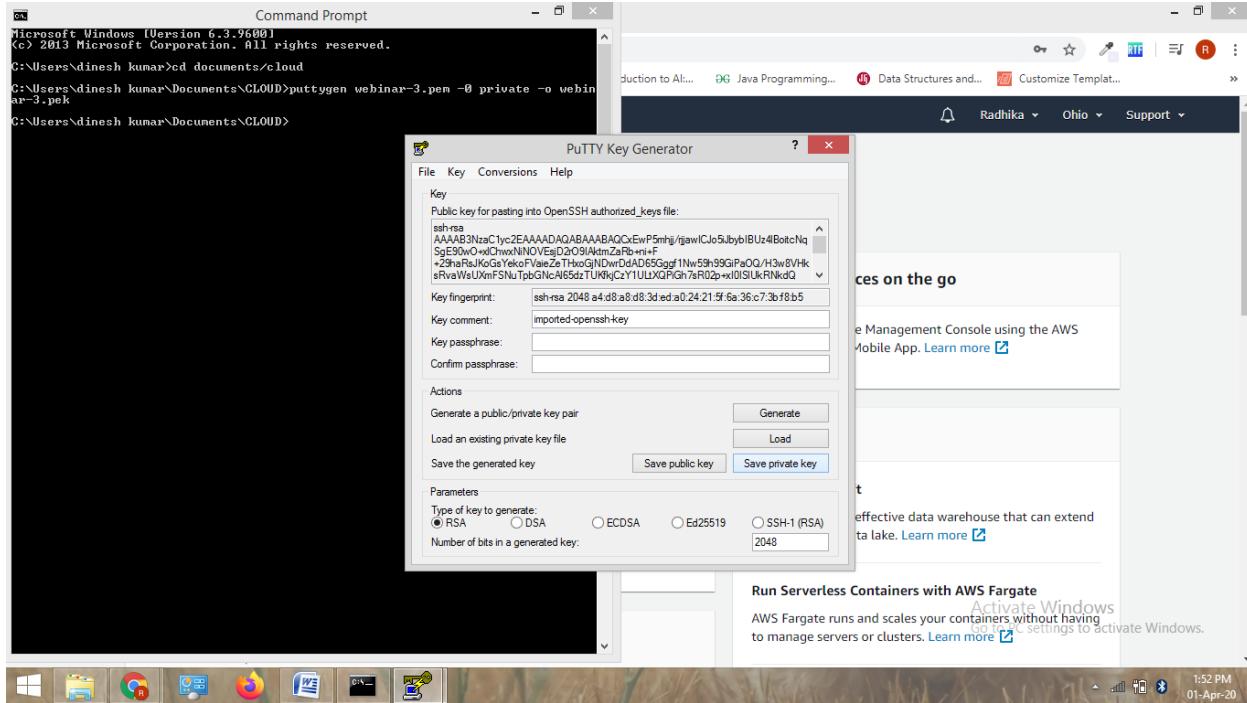
Cancel Previous **Review and Launch** Go to PC settings to activate Windows.

5. KEYPAIR DOWNLOAD:

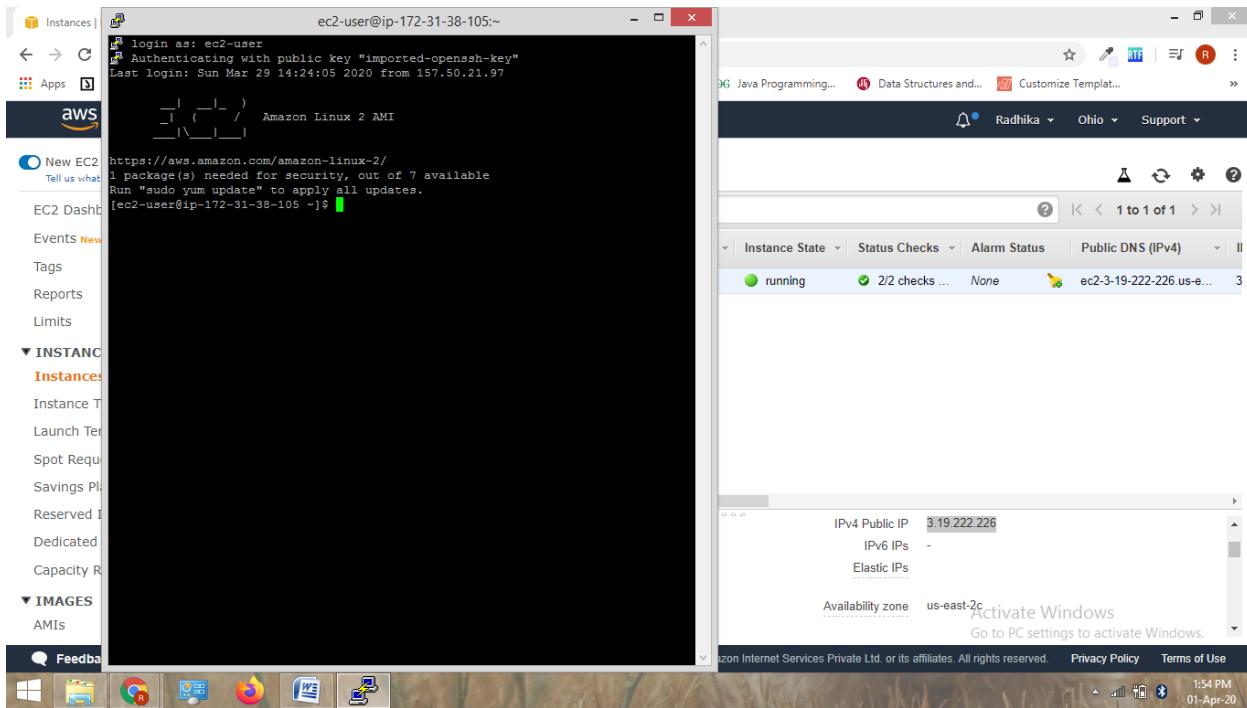


6. PUTTYGEN CONVERSION FROM PEM TO PPK





7. LOGGED IN EC2 BLACK SCREEN:



S3 SCREENSHOTS

1. CREATE BUCKET:

The screenshot shows the AWS S3 Management Console interface. On the left, there's a sidebar with options like 'Buckets', 'Batch operations', and 'Access analyzer for S3'. The main area displays a green success message: 'Successfully created bucket aws-webinar-radhika'. Below this, a table lists the single bucket: 'aws-webinar-radhika' was created on '2020-03-28T14:06:56.000Z'. At the bottom, there's a Windows taskbar with icons for various applications.

2. UPLOADING AN OBJECT:

The screenshot shows the 'Upload' wizard in the AWS S3 Management Console. Step 1: 'Select files' shows a file named 'index.html' selected. Step 2: 'Set permissions' is shown. Step 3: 'Set properties' is shown. Step 4: 'Review' is shown. The 'Upload' button is visible at the bottom. A progress bar indicates the upload status. The bottom of the screen shows a Windows taskbar with various application icons.

The screenshot shows the AWS S3 Management Console with a bucket named "aws-webinar-radhika". The "Properties" tab is selected. A modal window for "index.html" is open, displaying its properties: Key: index.html, Size: 15.0 B, Expiration date: N/A, Expiration rule: N/A, ETag: 41610763da39dd3ad491f615d4b4d28, Last modified: Mar 28, 2020 7:12:12 AM, Object URL: <https://aws-webinar-radhika.s3.us-east-2.amazonaws.com/index.html>. The "Properties" section of the main interface shows Storage class: Standard, Encryption: None.

3. ENABLING STATIC WEBSITE:

The screenshot shows the "Static website hosting" configuration page for the "aws-webinar-radhika" bucket. The "Endpoint" is listed as <http://aws-webinar-radhika.s3-website.us-east-2.amazonaws.com>. Under "Index document", "index.html" is selected. Under "Error document", "error.html" is selected. There is a section for "Redirection rules (optional)" which is currently empty. To the right, there is a "Object-level logging" section with a note about CloudTrail data events and a "Disabled" status. The bottom of the screen shows the Windows taskbar with various icons and the date/time: 4:57 PM, 27-Mar-20.

4. MAKING THE OBJECT PUBLIC:

The screenshot shows the AWS S3 Management Console interface. The URL in the address bar is `s3.console.aws.amazon.com/s3/object/aws-webinar-radhika/sample.jpg?region=us-east-2&tab=overview`. The navigation path is `Amazon S3 > aws-webinar-radhika > sample.jpg`. The object name is `sample.jpg`, and it is the `Latest version`. Below the object name are four tabs: `Overview` (selected), `Properties`, `Permissions`, and `Select from`. Under the `Properties` tab, there are several details:

- Owner:** 051f56d22a81313f1640f81156b59cf9eb5b9274648512399b7ff3bcb4c203ad
- Last modified:** Apr 1, 2020 8:10:26 AM GMT-0700
- Etag:** 5715388228d652105c7ac4331a990052
- Storage class:** Standard
- Server-side encryption:** None

At the bottom of the properties section, there are buttons for `Open`, `Download`, `Download as`, `Make public` (which is highlighted in blue), and `Copy path`. The status bar at the bottom shows `Operations: 0 In progress, 1 Success, 0 Error`.

The screenshot shows the AWS S3 Management Console interface under the `Permissions` tab. The URL in the address bar is `s3.console.aws.amazon.com/s3/object/aws-webinar-radhika/index.html?region=us-east-2&tab=permissions`. The navigation path is `(4) 7-Day Free Masterclass | Day > Permissions`. The page title is `Access for object owner`. There is one entry for the object owner:

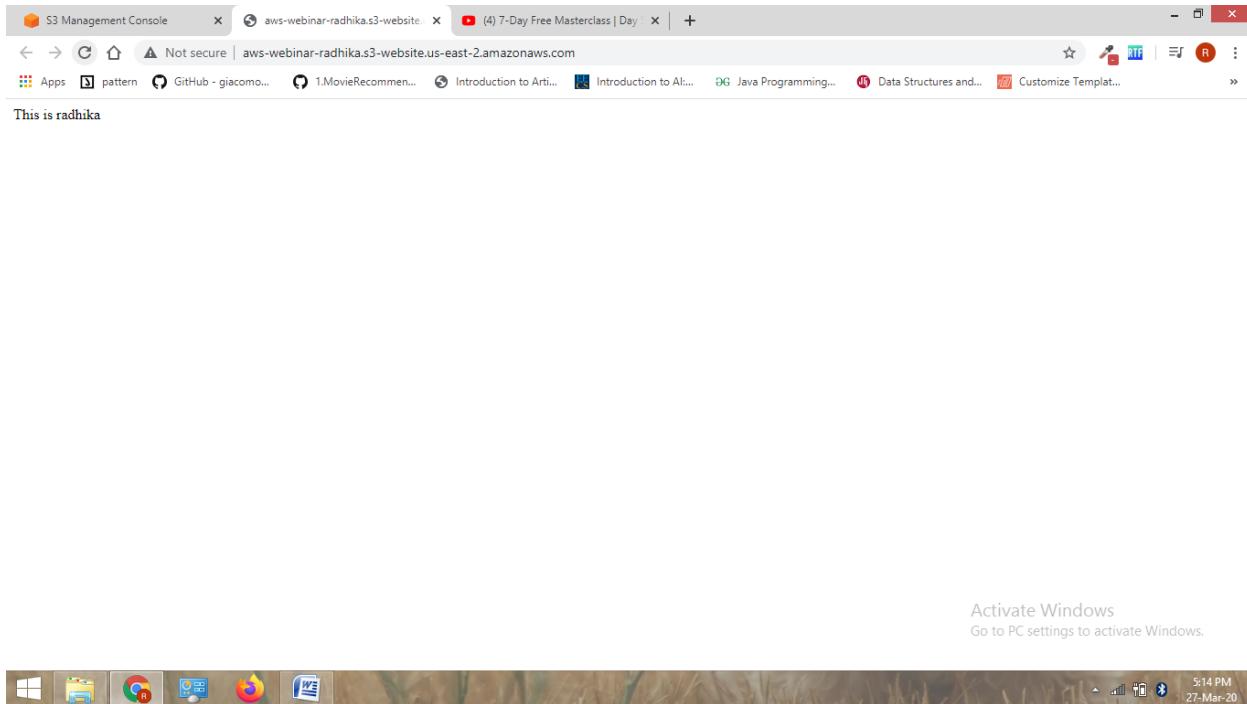
| Canonical ID | Read object | Read object permissions | Write object permissions |
|---|-------------|-------------------------|--------------------------|
| 051f56d22a81313f1640f81156b59cf9eb5b9274648512399b7ff3bcb4c203ad (Your AWS account) | Yes | Yes | Yes |

Below this, there is a section for `Access for other AWS accounts` with a `+ Add account` button and a `Delete` button. There is also a section for `Public access` with a table:

| Group | Read object | Read object permissions | Write object permissions |
|----------|-------------|-------------------------|--------------------------|
| Everyone | Yes | Yes | Yes |

At the bottom of the permissions section, there are buttons for `Operations: 0 In progress, 1 Success, 0 Error`. The status bar at the bottom shows `Operations: 0 In progress, 1 Success, 0 Error`.

5. CHECKING THE S3 LINK ON THE BROWSER:

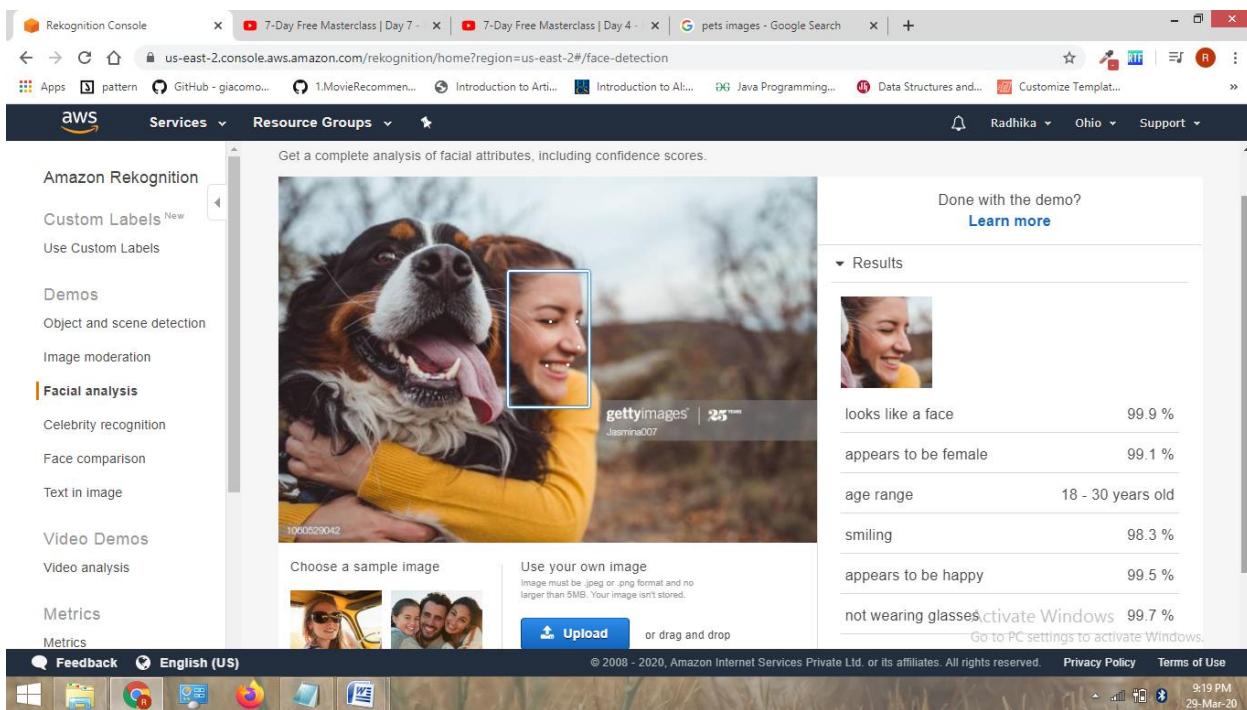


Activate Windows
Go to PC settings to activate Windows.



REKOGNITION SCREENSHOTS

1. FACE DETECT:



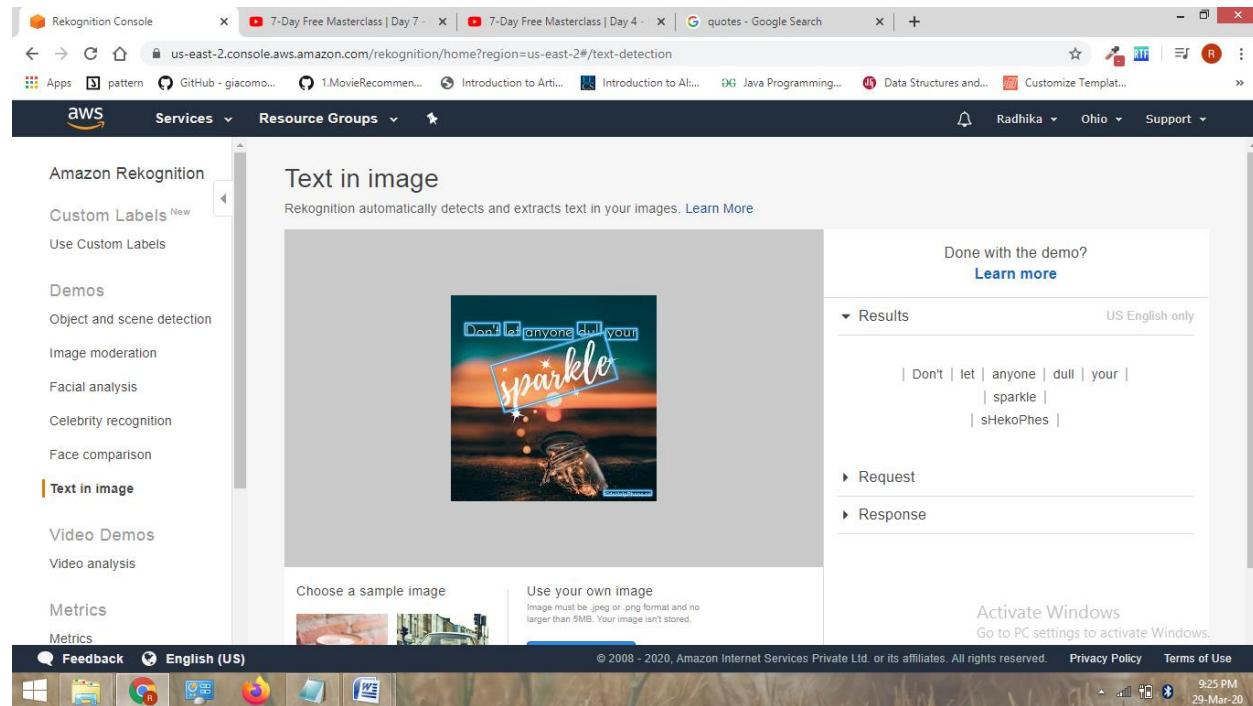
2. FACE COMPARISON:

The screenshot shows the AWS Rekognition Face Comparison interface. On the left, a sidebar lists various services like Custom Labels, Demos, and Face comparison. The main area is titled "Face comparison" and displays two images for comparison: a "Reference face" (a man with a beard) and a "Comparison face" (another man with a beard). Below these are "Choose a sample image" buttons. To the right, a results section shows a comparison between two faces with a similarity score of 99.1%.

3. CELEBRITY RECOGNITION:

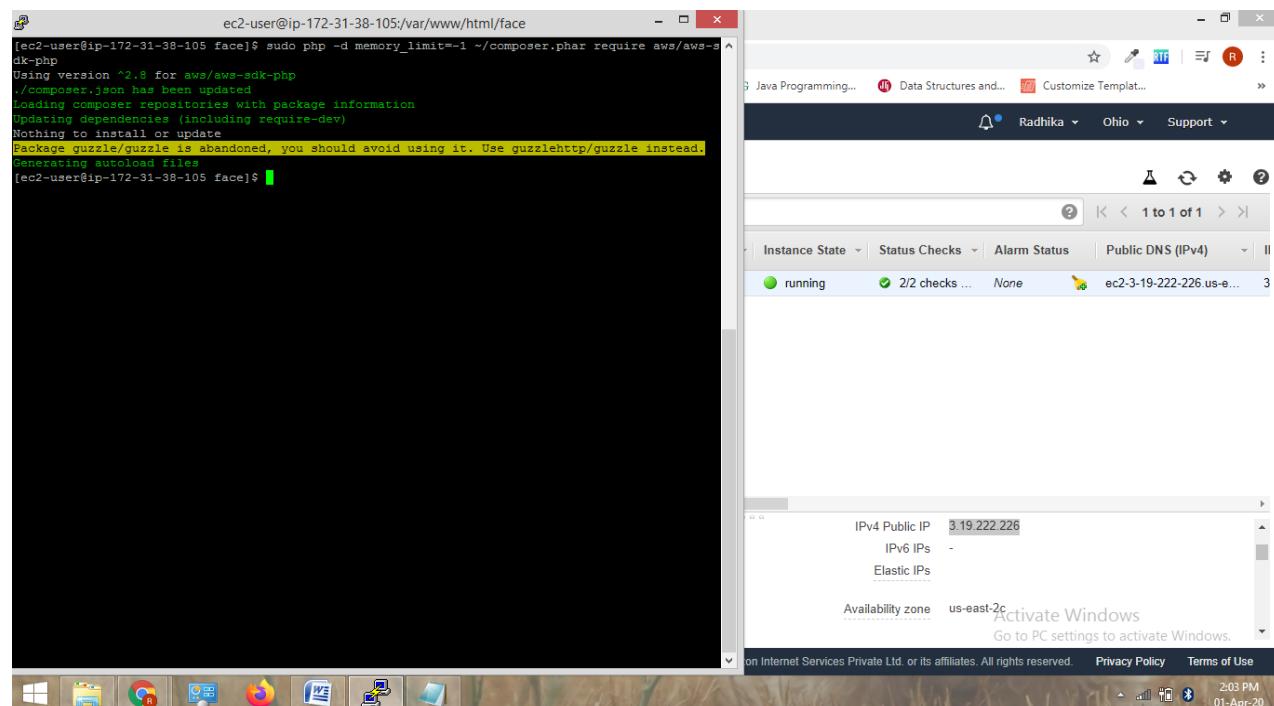
The screenshot shows the AWS Rekognition Celebrity Recognition interface. The sidebar includes options like Custom Labels, Demos, and Celebrity recognition. The main area is titled "Celebrity recognition" and shows a photo of a man with a blue bounding box highlighting his face. A "Results" section on the right identifies the celebrity as "Suriya" with a confidence score of 100%. There are also sections for "Request" and "Response".

4. TEXT IN IMAGE:

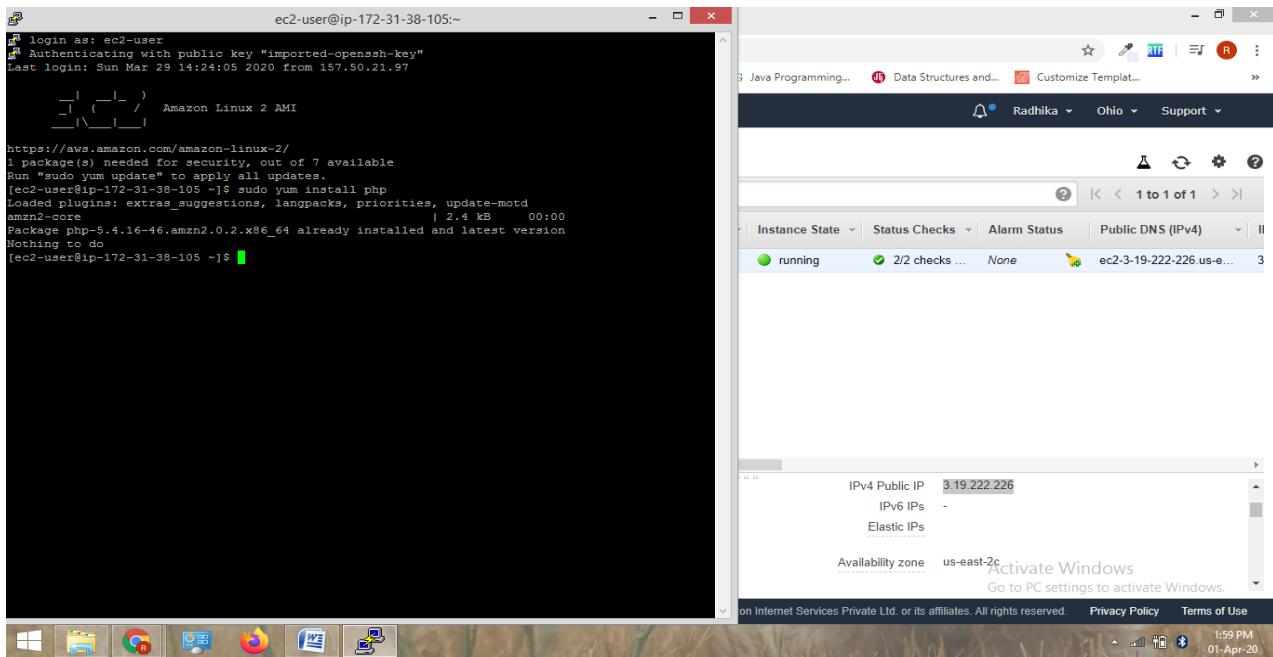


EC2 & S3 SCREENSHOTS

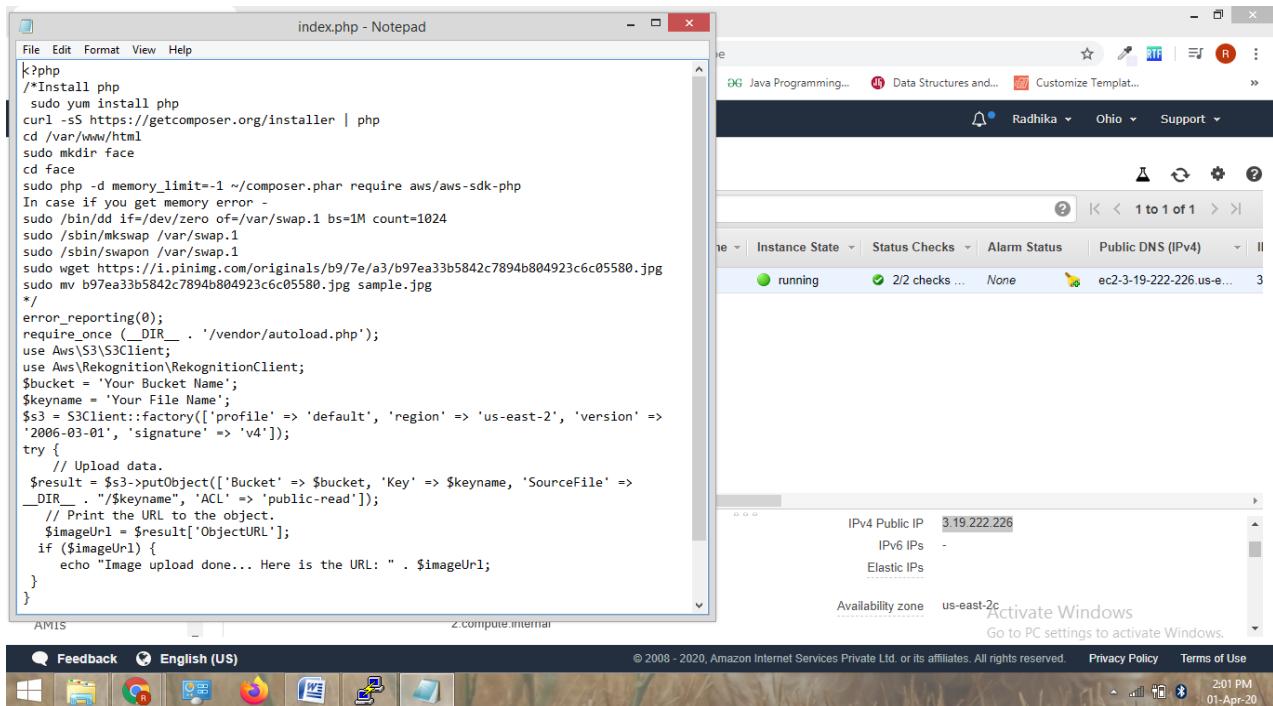
1. INSTALLING AWS-SDK



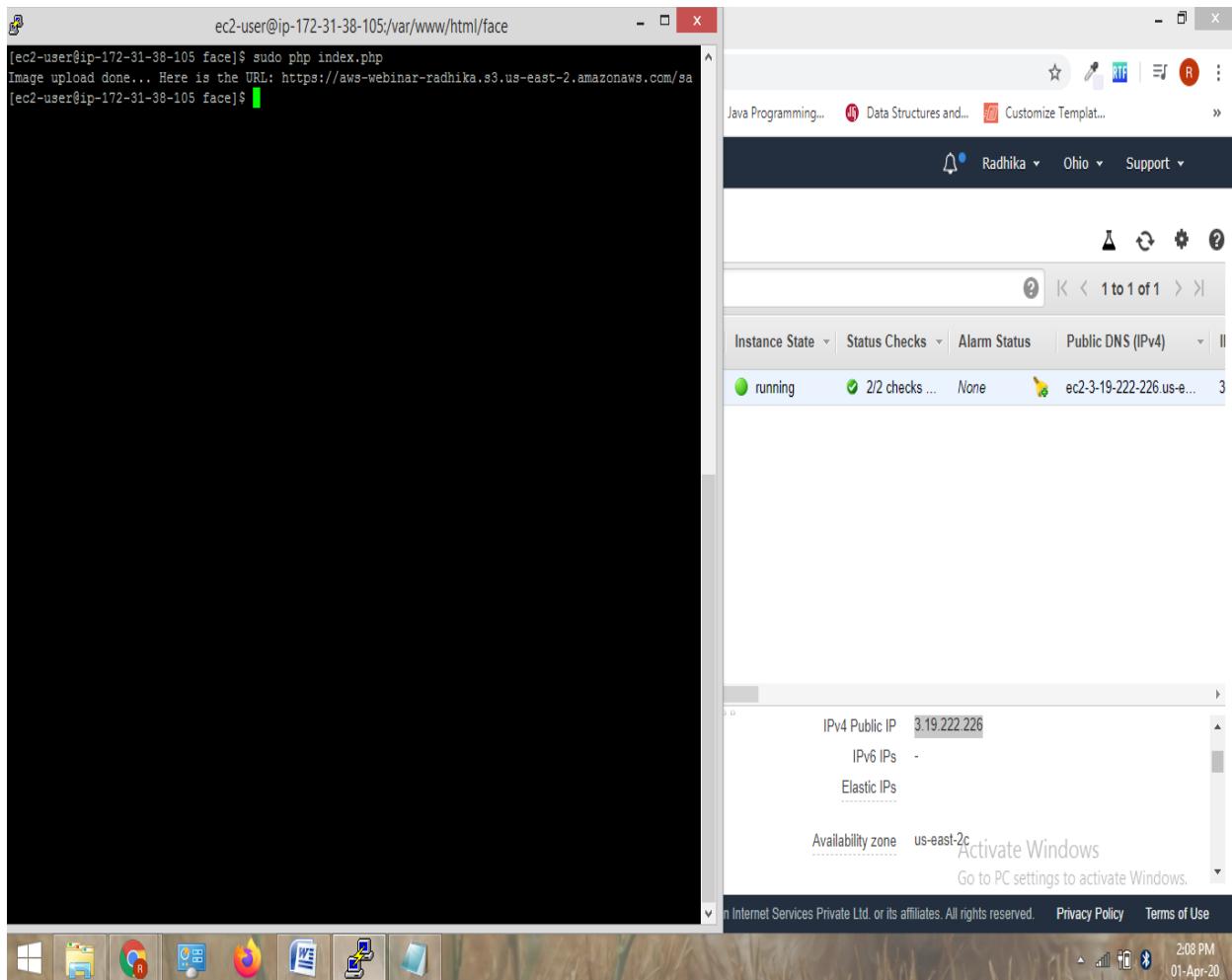
2. INSTALLING PHP



3. INDEX.PHP FILE CODE

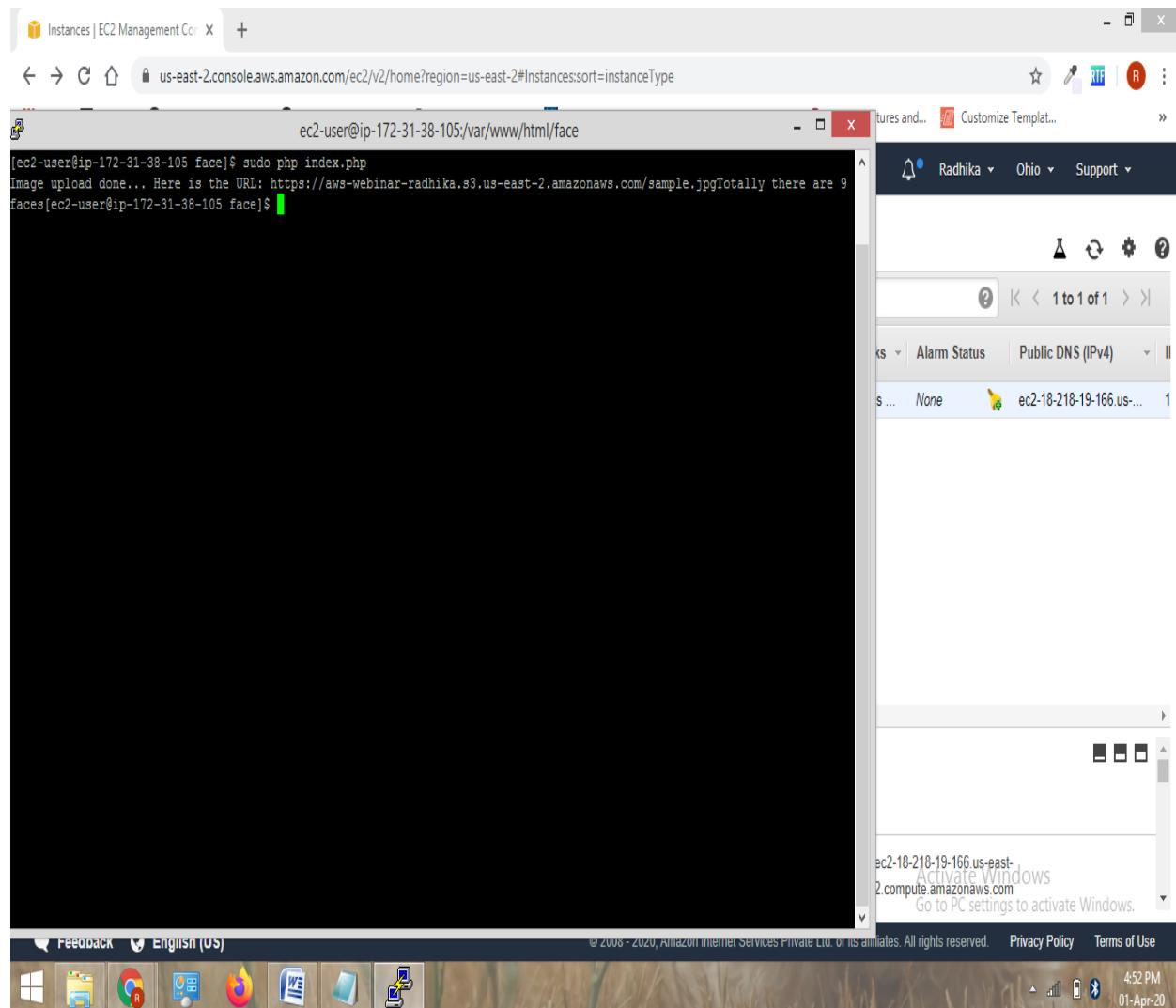


4. UPLOAD SUCCESS SCREENSHOT



EC2 & RECOGNITION SCREENSHOTS

1. FACE DETECT SUCCESS Screenshot



LINK:

<https://aws-webinar-radhika.s3.us-east-2.amazonaws.com/sample.jpg>

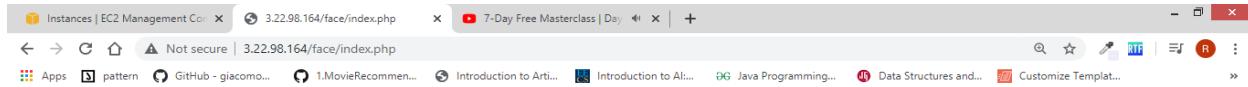


Image upload done... Here is the URL: <https://aws-webinar-radhika.s3.us-east-2.amazonaws.com/sample.jpg> Totally there are 9 faces

Activate Windows
Go to PC settings to activate Windows.



```
{"ok":true,"result":true,"description":"Webhook was set"}
```

Activate Windows
Go to PC settings to activate Windows.



