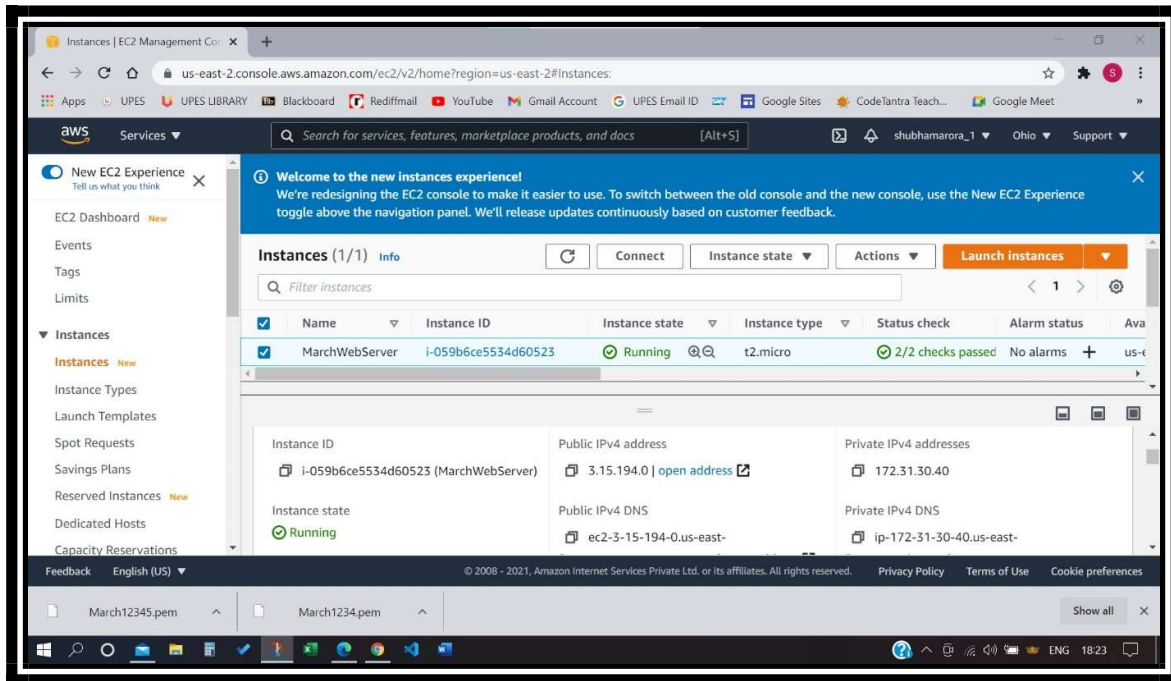


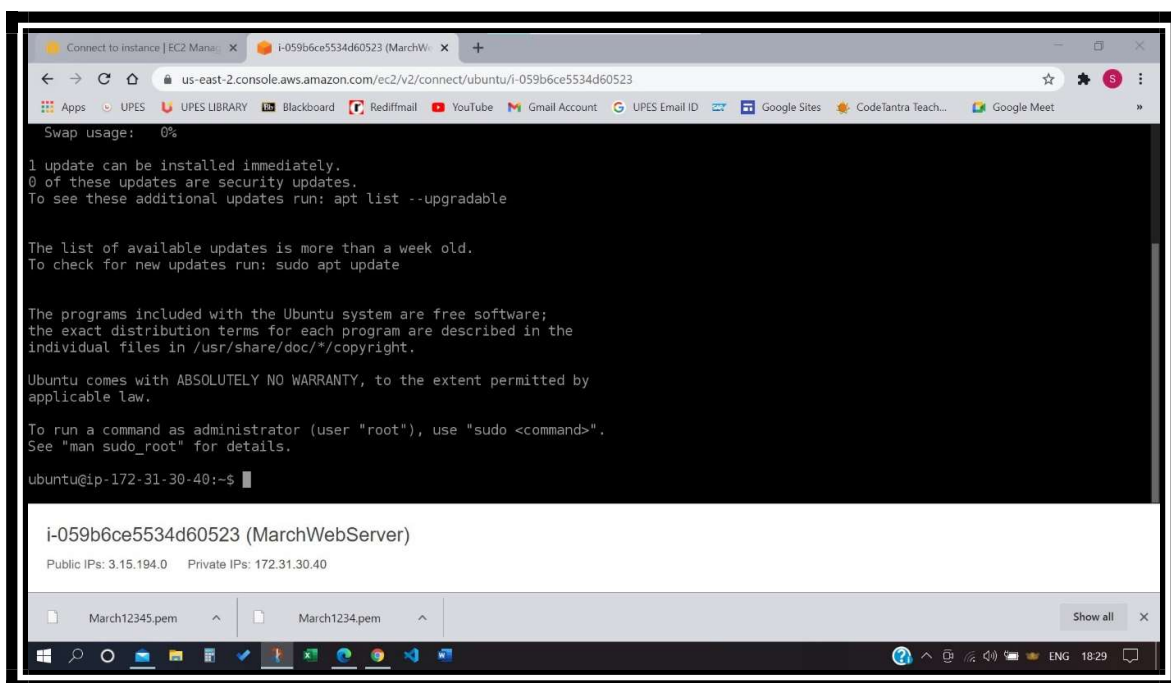
Assignment 1

Date – 17/03/21

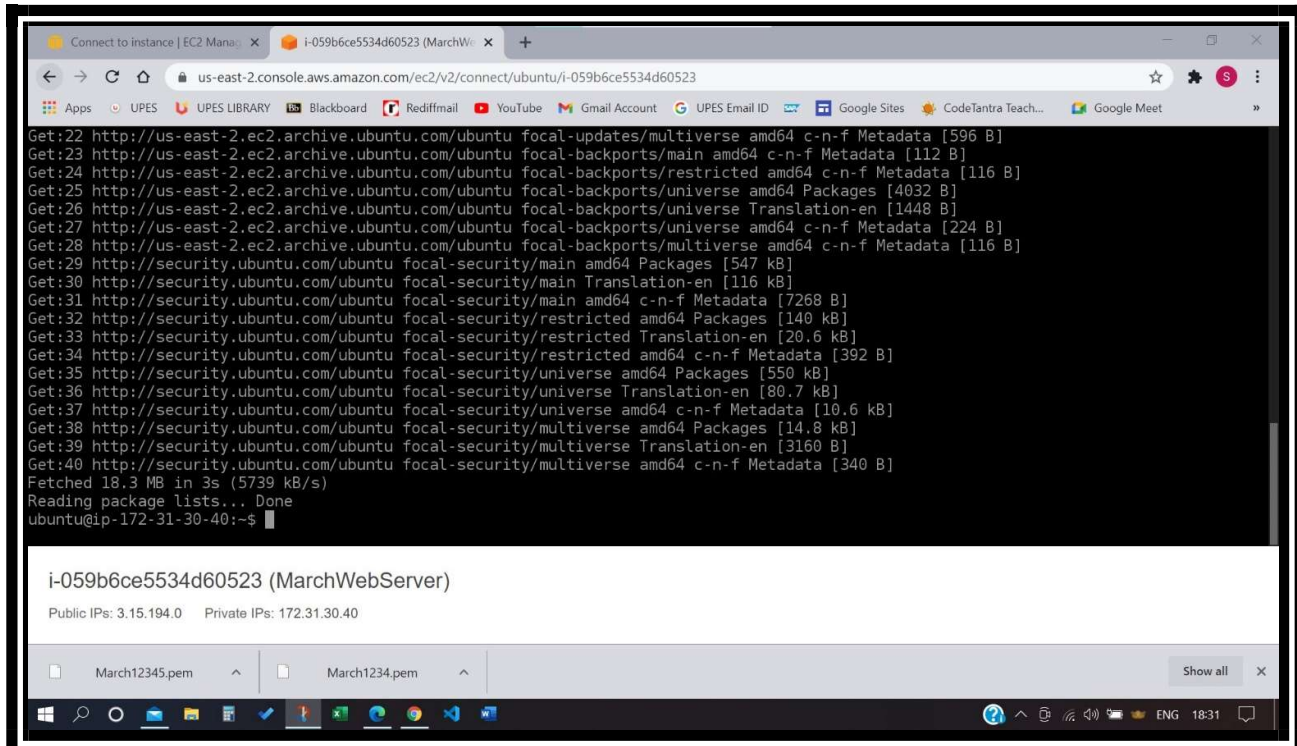
Task 1: - Create a Ubuntu instance using AMI :Ubuntu Server 18.04 LTS (HVM).



Task 2: - Launch the Ubuntu instance using SSH.



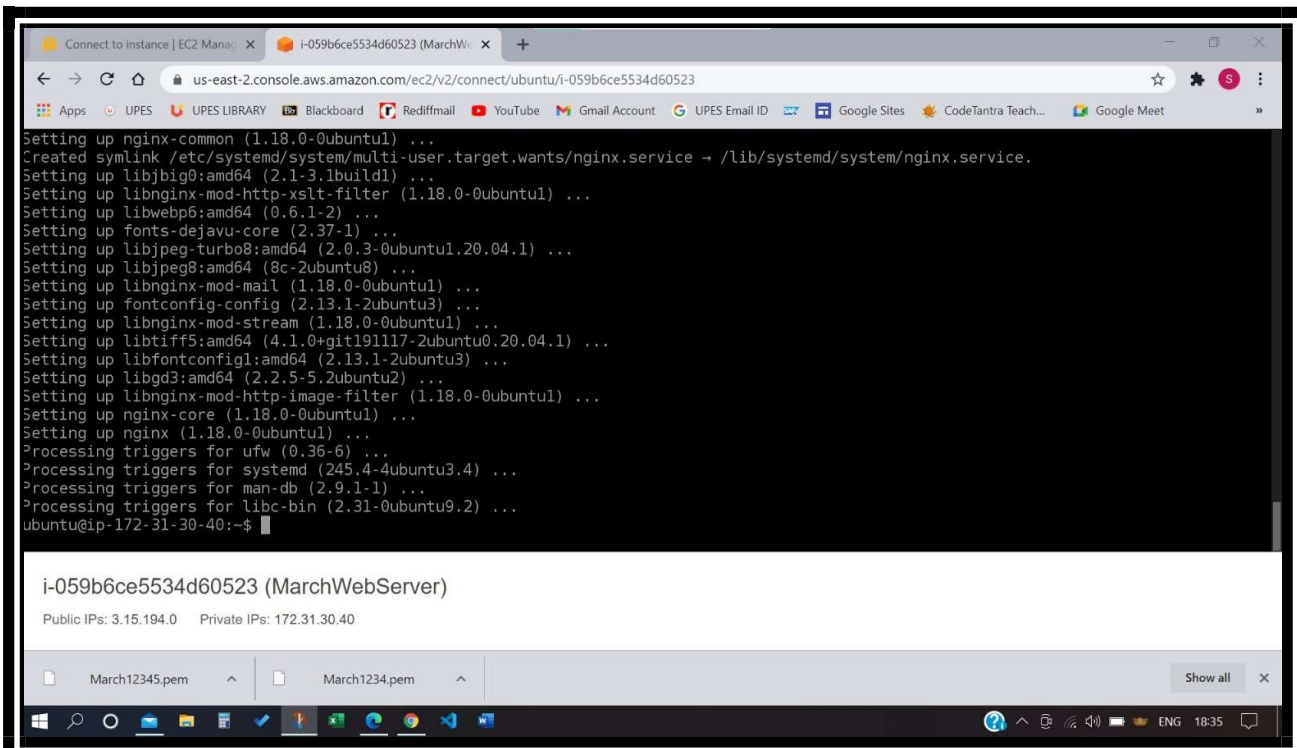
Task 3: - Install nginx webserver using bash.



The screenshot shows the AWS Management Console terminal for an Ubuntu instance. The terminal output displays the process of updating the package list and fetching metadata for various packages, including nginx. The output is as follows:

```
Get:22 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal-updates/multiverse amd64 c-n-f Metadata [596 B]
Get:23 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal-backports/main amd64 c-n-f Metadata [112 B]
Get:24 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal-backports/restricted amd64 c-n-f Metadata [116 B]
Get:25 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal-backports/universe amd64 Packages [4032 B]
Get:26 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal-backports/universe Translation-en [1448 B]
Get:27 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal-backports/universe amd64 c-n-f Metadata [224 B]
Get:28 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal-backports/multiverse amd64 c-n-f Metadata [116 B]
Get:29 http://security.ubuntu.com/ubuntu focal-security/main amd64 Packages [547 kB]
Get:30 http://security.ubuntu.com/ubuntu focal-security/main Translation-en [116 kB]
Get:31 http://security.ubuntu.com/ubuntu focal-security/main amd64 c-n-f Metadata [7268 B]
Get:32 http://security.ubuntu.com/ubuntu focal-security/restricted amd64 Packages [140 kB]
Get:33 http://security.ubuntu.com/ubuntu focal-security/restricted Translation-en [20.6 kB]
Get:34 http://security.ubuntu.com/ubuntu focal-security/restricted amd64 c-n-f Metadata [392 B]
Get:35 http://security.ubuntu.com/ubuntu focal-security/universe amd64 Packages [550 kB]
Get:36 http://security.ubuntu.com/ubuntu focal-security/universe Translation-en [80.7 kB]
Get:37 http://security.ubuntu.com/ubuntu focal-security/universe amd64 c-n-f Metadata [10.6 kB]
Get:38 http://security.ubuntu.com/ubuntu focal-security/multiverse amd64 Packages [14.8 kB]
Get:39 http://security.ubuntu.com/ubuntu focal-security/multiverse Translation-en [3160 B]
Get:40 http://security.ubuntu.com/ubuntu focal-security/multiverse amd64 c-n-f Metadata [340 B]
Fetched 18.3 MB in 3s (5739 kB/s)
Reading package lists... Done
ubuntu@ip-172-31-30-40:~$
```

Below the terminal output, the instance details for **i-059b6ce5534d60523 (MarchWebServer)** are shown, including Public IPs (3.15.194.0) and Private IPs (172.31.30.40). The terminal window also shows the local file system with **March12345.pem** and **March1234.pem** files.



The screenshot shows the AWS Management Console terminal for the same Ubuntu instance. The terminal output displays the process of installing nginx and its dependencies. The output is as follows:

```
Setting up nginx-common (1.18.0-0ubuntu1) ...
Created symlink /etc/systemd/system/multi-user.target.wants/nginx.service → /lib/systemd/system/nginx.service.
Setting up libjpeg8:amd64 (2.1-3.1build1) ...
Setting up libnghttp2-14:amd64 (1.41.0-1ubuntu1) ...
Setting up libwebp6:amd64 (0.6.1-2) ...
Setting up fonts-dejavu-core (2.37-1) ...
Setting up libjpeg-turbo8:amd64 (2.0.3-0ubuntu1.20.04.1) ...
Setting up libjpeg8:amd64 (8c-2ubuntu8) ...
Setting up libnghttp2-14:amd64 (1.41.0-1ubuntu1) ...
Setting up fontconfig-config (2.13.1-2ubuntu3) ...
Setting up libnghttp2-14:amd64 (1.41.0-1ubuntu1) ...
Setting up libnghttp2-14:amd64 (1.41.0-1ubuntu1) ...
Setting up libtiff5:amd64 (4.1.0+git191117-2ubuntu0.20.04.1) ...
Setting up libfontconfig1:amd64 (2.13.1-2ubuntu3) ...
Setting up libgd3:amd64 (2.2.5-5.2ubuntu2) ...
Setting up libnghttp2-14:amd64 (1.41.0-1ubuntu1) ...
Setting up nginx-core (1.18.0-0ubuntu1) ...
Setting up nginx (1.18.0-0ubuntu1) ...
Processing triggers for ufw (0.36-6) ...
Processing triggers for systemd (245.4-4ubuntu3.4) ...
Processing triggers for man-db (2.9.1-1) ...
Processing triggers for libc-bin (2.31-0ubuntu9.2) ...
ubuntu@ip-172-31-30-40:~$
```

Below the terminal output, the instance details for **i-059b6ce5534d60523 (MarchWebServer)** are shown, including Public IPs (3.15.194.0) and Private IPs (172.31.30.40). The terminal window also shows the local file system with **March12345.pem** and **March1234.pem** files.

Task 4: - Verify successful installation of nginx.

