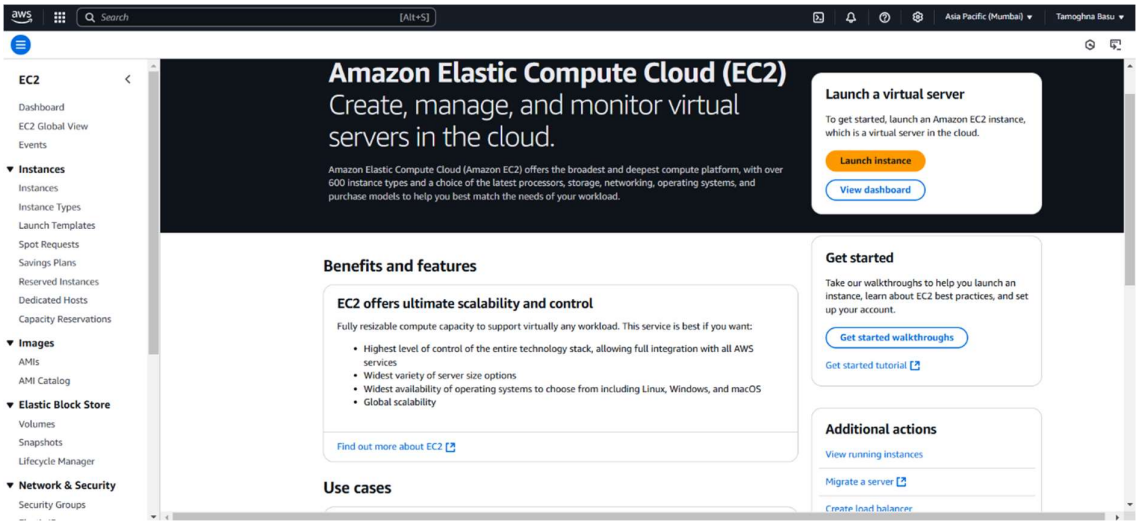
Assignment-7

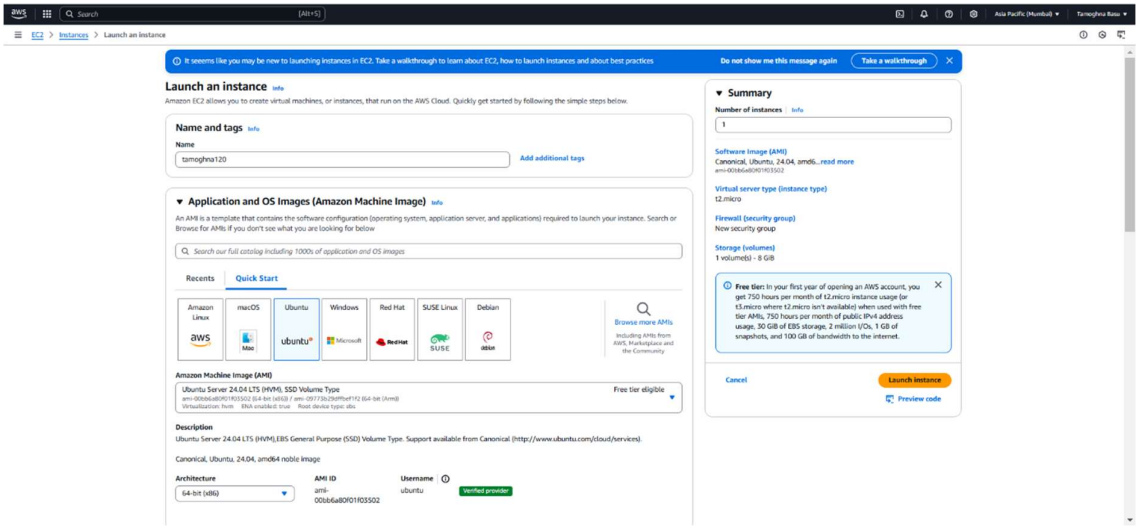
Problem Statement: Hosting a website on EC2.

To host a website on EC2 ,the steps are-------

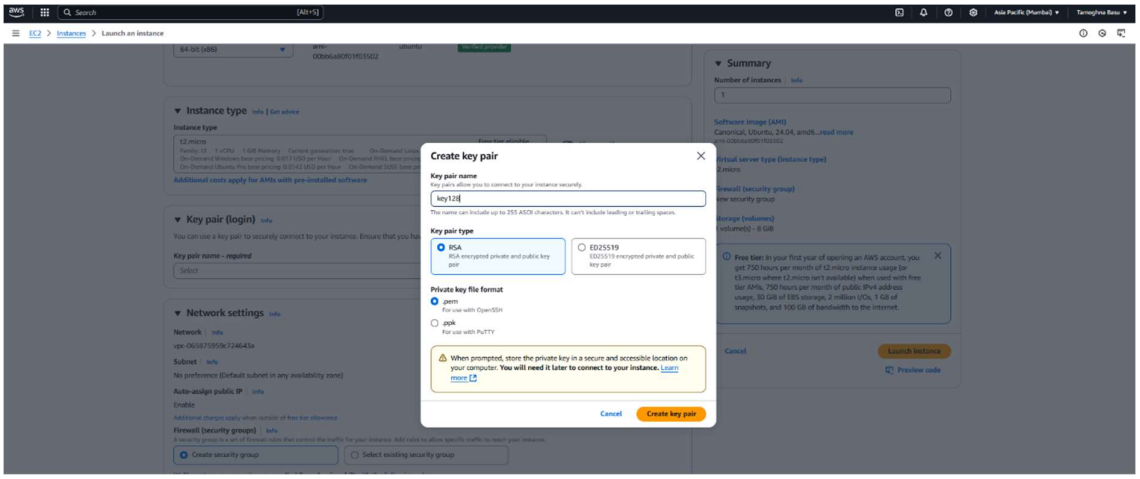
1.At first,the EC2 should be selected from the AWS console and instances would be selected.

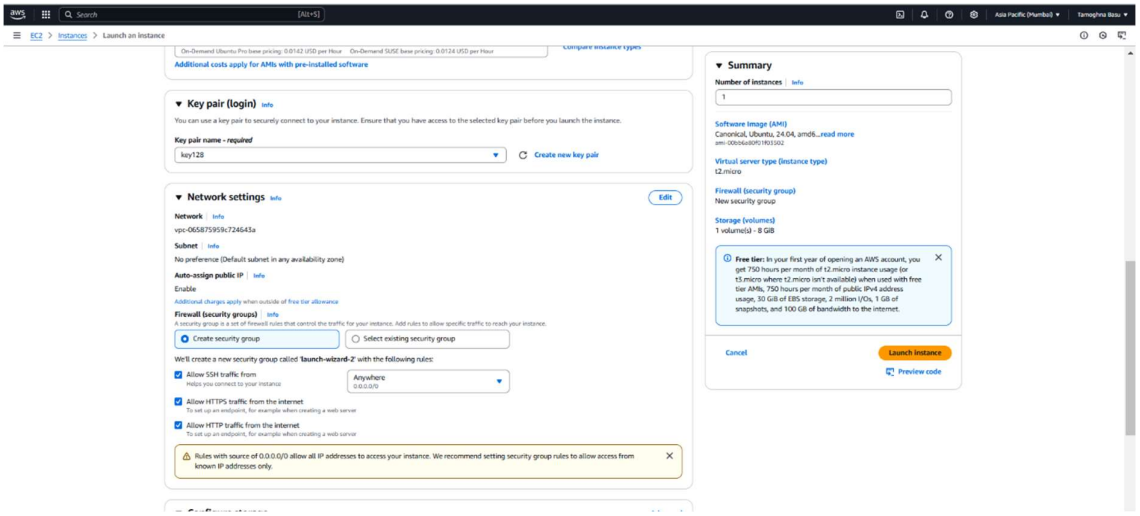


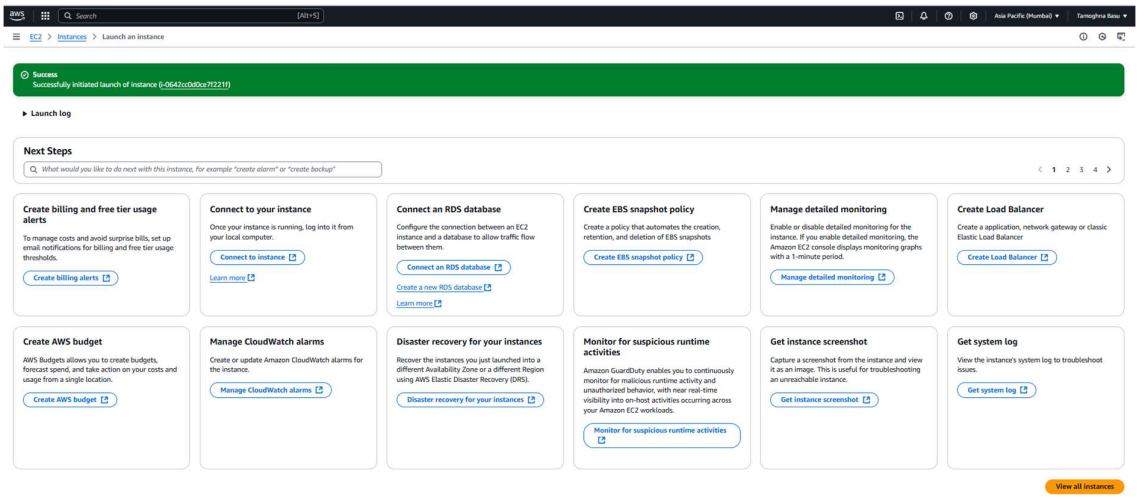
2.A proper name should be assigned and ubuntu is selected.



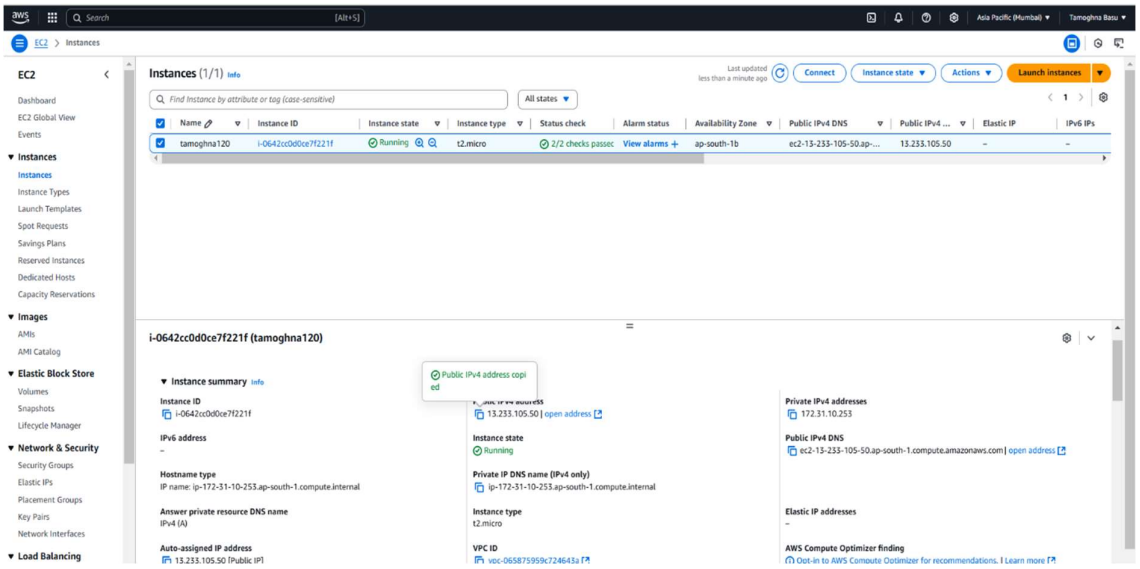
3.A key pair should be created or else in created condition it can also be used.RSA to be selected and .pem should also be clicked.Thus,the instance is to be launched.



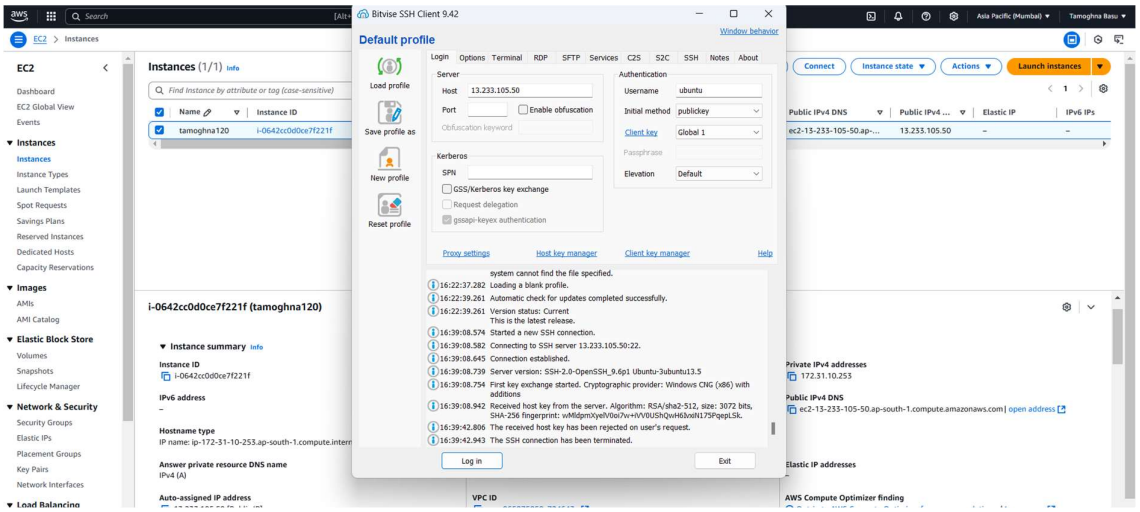


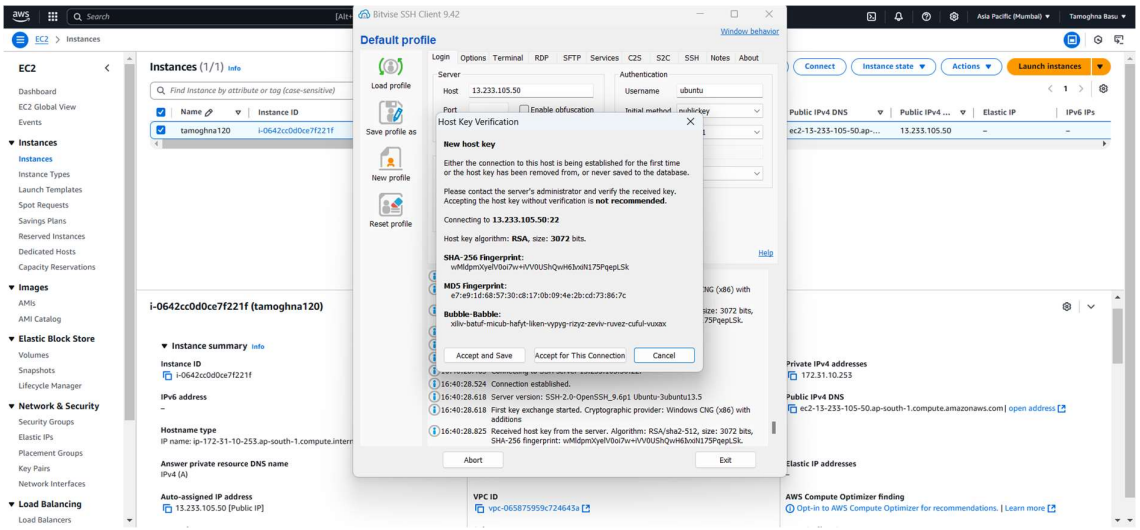


4.The public ipv4 address url is to be selected then.



5.Bitvise SSH client is to be installed and the required details should be given for successful log in.





6.Once logged in,the terminal console is to be opened and in the course nginx is to be installed.

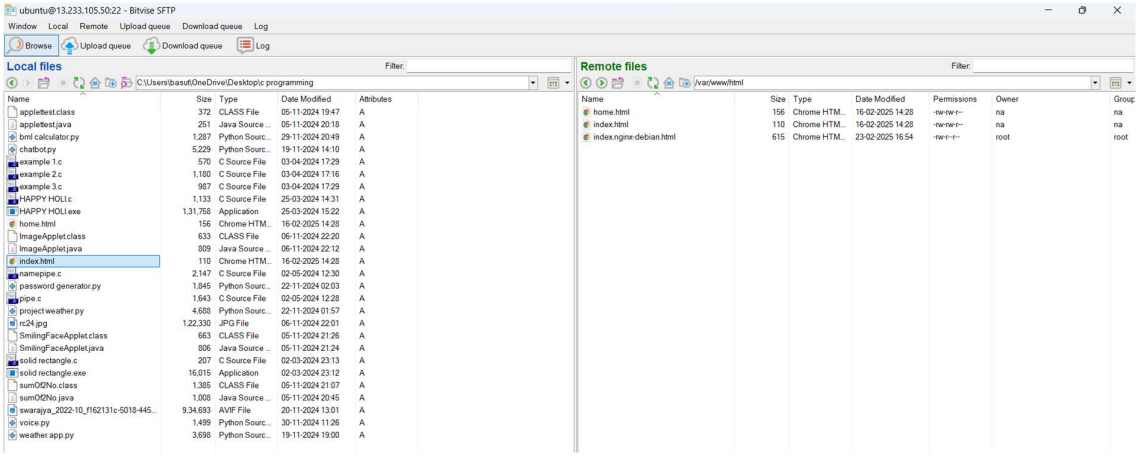
```
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

ubuntu@ip-172-31-10-253:~$ pwd
/home/ubuntu
ubuntu@ip-172-31-10-253:~$ sudo apt-get update
Hit:1 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble InRelease
Get:2 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Get:3 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Get:4 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Packages [15.0 MB]
Get:5 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
Get:6 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/universe Translation-en [5982 kB]
Get:7 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Components [3871 kB]
Get:8 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 c-n-f Metadata [301 kB]
Get:9 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 Packages [269 kB]
Get:10 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse Translation-en [118 kB]
Get:11 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 Components [35.0 kB]
Get:12 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 c-n-f Metadata [8328 B
]
Get:13 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 Packages [866 kB]
Get:14 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main Translation-en [196 kB]
Get:15 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 Components [151 kB]
Get:16 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Packages [1015 k
B]
Get:17 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe Translation-en [254 kB
]
```

```
Fetched 32.3 MB in 11s (3008 kB/s)
Reading package lists... Done
ubuntu@ip-172-31-10-253:~$ sudo apt-get upgrade
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Calculating upgrade... Done
The following packages will be upgraded:
  base-files bind9-dnsutils bind9-host bind9-libs bpftrace bsdextrautils bsdutils eject fdisk kmod krb5-locales landscape-common libaio1t64 libattr1 libblkid1 libbsd0
  libc-bin libc6 libcap2 libcap2-bin libdrm-common libdrm2 libdw1t64 libelf1t64 libfdisk1 libgmp10 libgnutls30t64 libgpg-error-l10n libgpg-error0 libgssapi-krb5-2
  libidn2-0 libk5crypto3 libkmod2 libkrb5-3 libkrb5support0 libldap-common libldap2 libmd0 libmount1 libmpfr6 libnghttp2-14 libnl-3-200 libnl-genl-3-200 libnl-route-3-200
  libnss-systemd libpam-cap libpam-systemd libpcre2-8-0 libperl5.38t64 libpolkit-agent-1-0 libpolkit-gobject-1-0 libpython3.12-minimal libpython3.12-stdlib
  libpython3.12t64 libselinux1 libsmartcols1 libsqlite3-0 libssl3t64 libsystemd-shared libsystemd0 libtasn1-6 libudev1 libunistring5 libunwind8 libuuid1 libxml2
  linux-tools-common locales motd-news-config mount openssh-client openssh-server openssh-sftp-server openssl perl perl-base perl-modules-5.38 polkitd python-apt-common
  python3-apt python3-distupgrade python3-jinja2 python3.12 python3.12-minimal rsync systemd systemd-dev systemd-resolved systemd-sysv tzdata tzdata-legacy
  ubuntu-kernel-accessories ubuntu-minimal ubuntu-release-upgrader-core ubuntu-server ubuntu-standard udev util-linux uuid-runtime vim vim-common vim-runtime vim-tiny
```

```
No VM guests are running outdated hypervisor (qemu) binaries on this host.
ubuntu@ip-172-31-10-253:~$ cd/var/www/html
-bash: cd/var/www/html: No such file or directory
ubuntu@ip-172-31-10-253:~$ sudo apt-get install nginx
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
nginx is already the newest version (1.24.0-2ubuntu7.1).
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
ubuntu@ip-172-31-10-253:~$ nginx -v
nginx version: nginx/1.24.0 (Ubuntu)
ubuntu@ip-172-31-10-253:~$ pwd
/home/ubuntu
```

7.var/www/html path is to be selected for successful file loading.



8.At the end,the copied ipv4 address is to be given in a new browser window for successful view and host of the website.


13.233.105.50/home.html
Not secure
13.233.105.50/home.html
Incognito
Home Page
Tamoghna Basu
CSE/22/120
Go to Index page