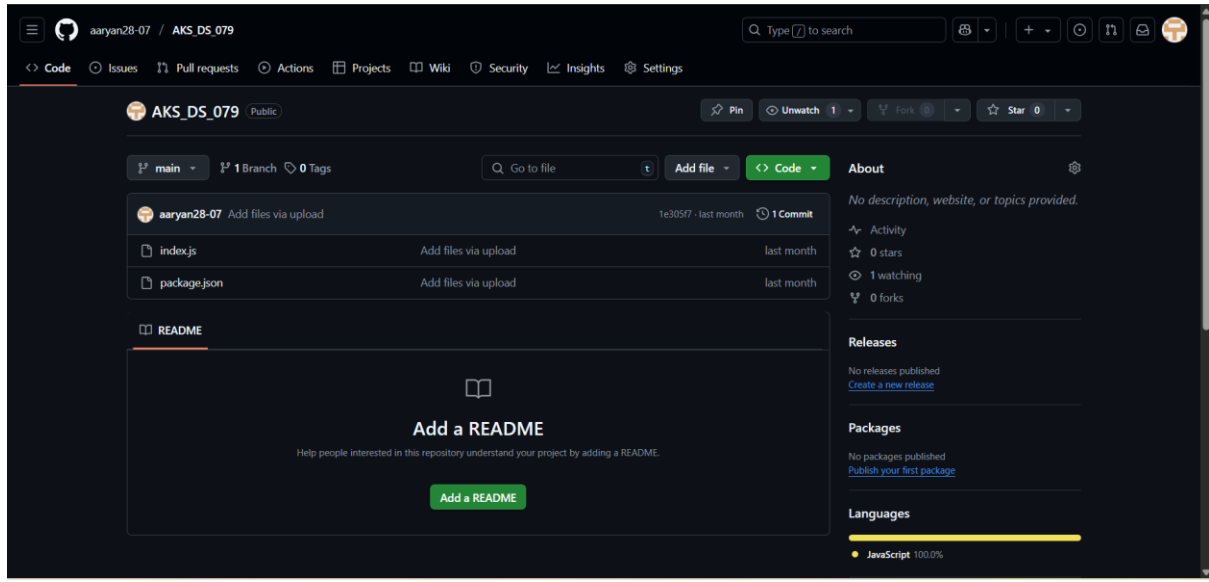


Assignment No:12

Title: Deploy and run the project in AWS without using the port.

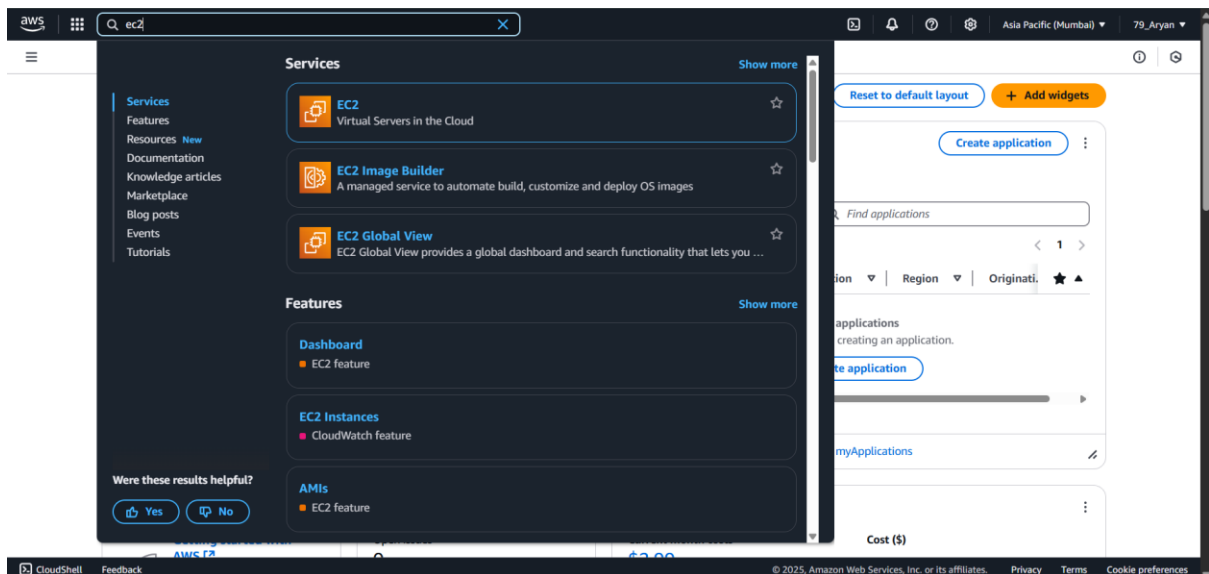
Step-1:

Upload required files to github



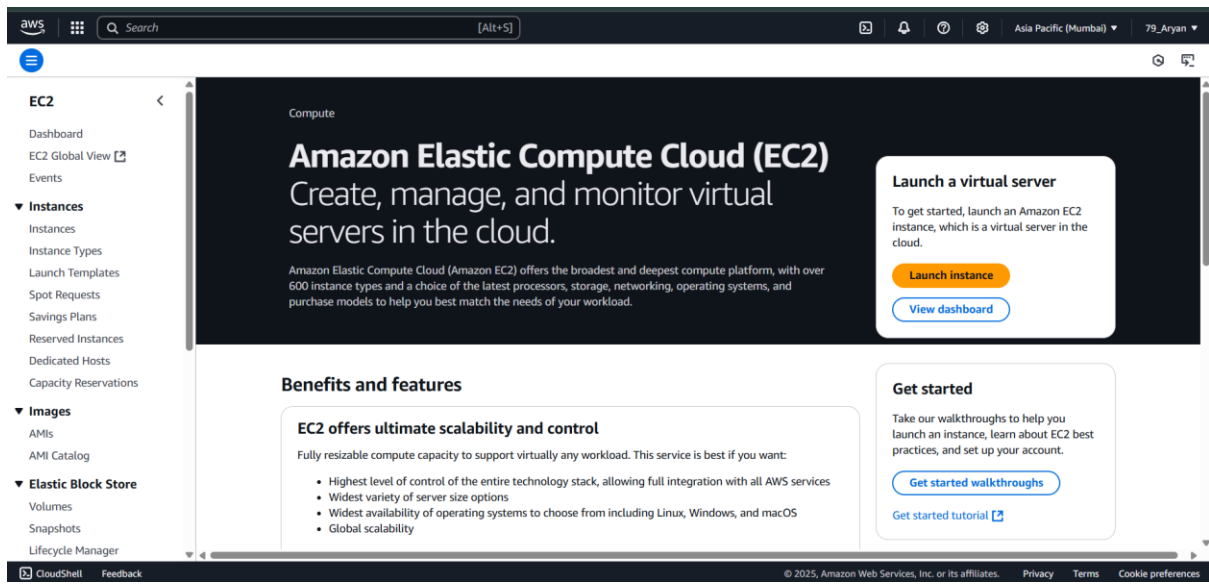
Step-2:

Log into AWS and open EC2.



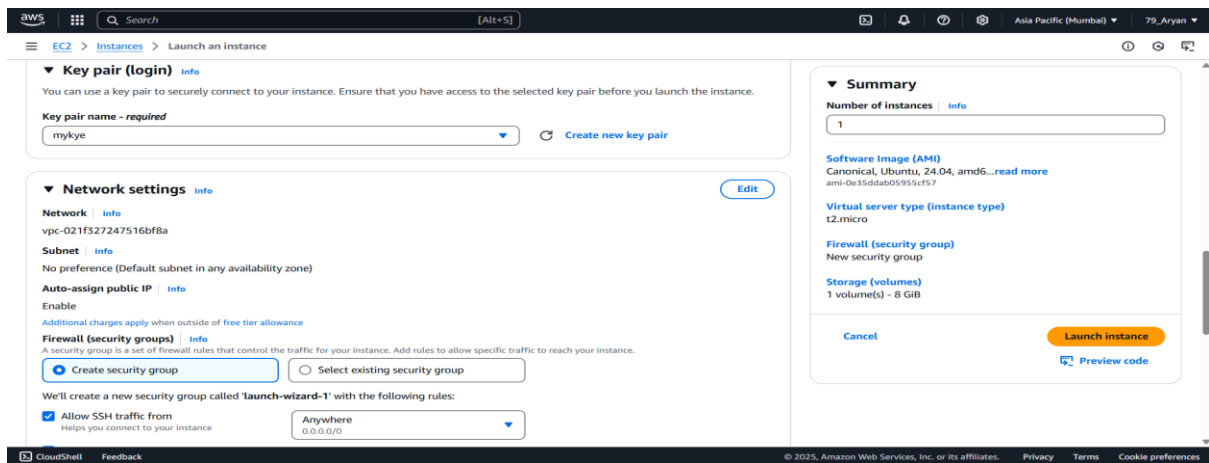
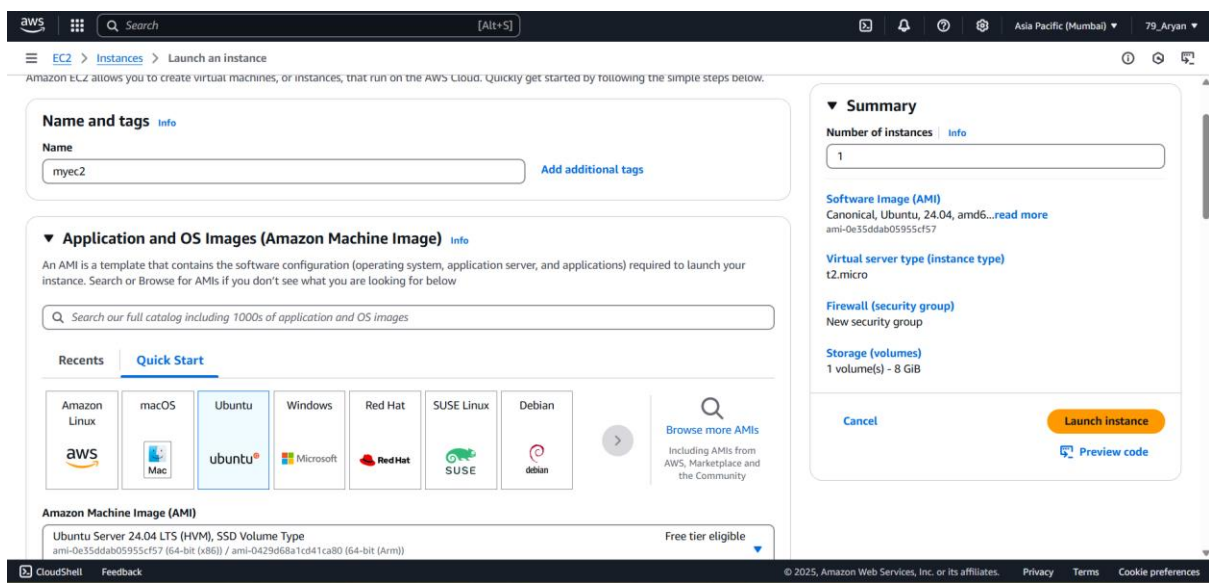
Step-3:

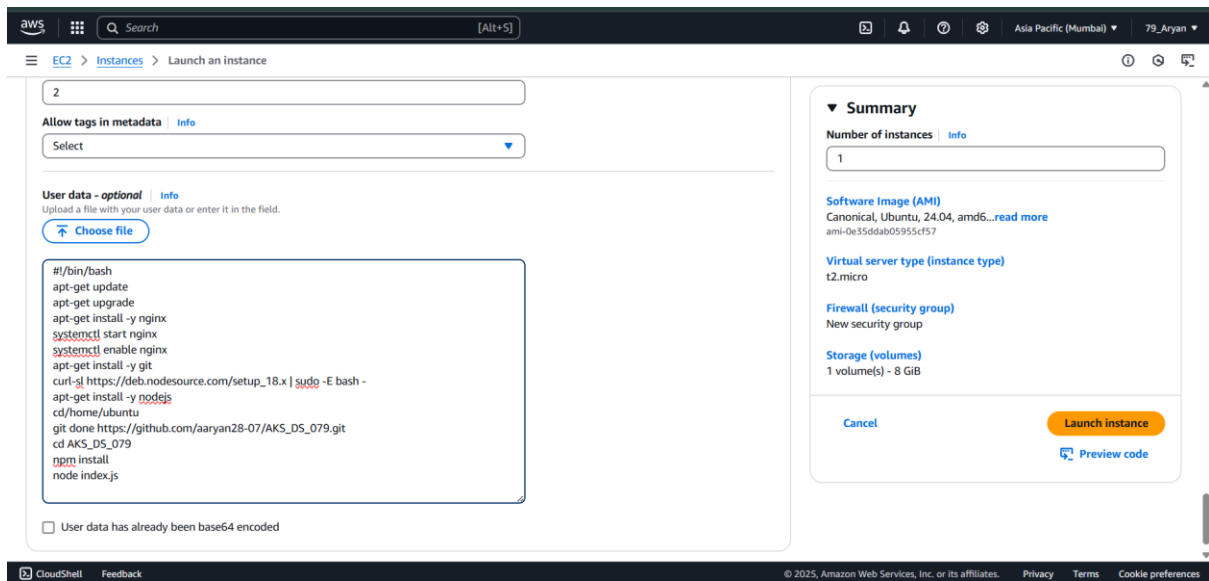
Open the EC2



Step-4:

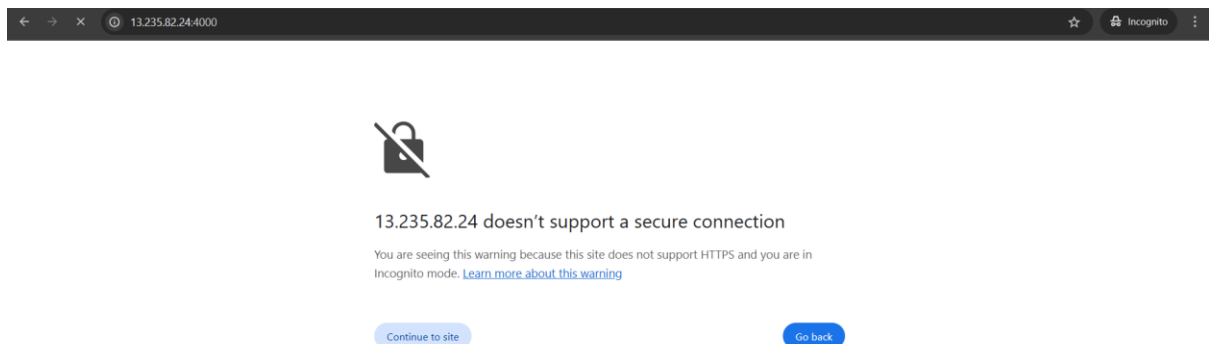
Create ec2 instance and add the below bash commands in user data section.





Step-5:

After creating instance the site should successfully run on the port 4000.



Step-6:

Now log into bitvise and cd ../. to go to root directory then open etc with cd etc and nginx with cd nignx and sites-available with cd sites-available then change the permissions of the default file using sudo chmod 777 default. Then edit the default file with nano default and change the code to what is given below and close the editor then restart the nginx with sudo systemctl restart nginx.

```
ubuntu@13.201.80.38:22 - Bitvise xterm - ubuntu@ip-172-31-0-238: /etc/nginx/sites-available
ubuntu@ip-172-31-0-238:~$ cd ../../
ubuntu@ip-172-31-0-238:/$ ls
bin                dev                lib                lost+found         opt                run                snap                tmp
bin.usr-is-merged  etc                lib.usr-is-merged  media              proc              sbin              srv                usr
boot              home              lib64              mnt                root              sbin.usr-is-merged  sys                var
ubuntu@ip-172-31-0-238:/$ cd etc
ubuntu@ip-172-31-0-238:/etc$ cd nginx
ubuntu@ip-172-31-0-238:/etc/nginx$ ls
conf.d              koi-utf            modules-available  proxy_params        sites-enabled       win-utf
fastcgi.conf        koi-win            modules-enabled    scgi_params         snippets
fastcgi_params      mime.types         nginx.conf         sites-available     uwsgi_params
ubuntu@ip-172-31-0-238:/etc/nginx$ cd sites-available
ubuntu@ip-172-31-0-238:/etc/nginx/sites-available$ ls
default
ubuntu@ip-172-31-0-238:/etc/nginx/sites-available$ nano default
ubuntu@ip-172-31-0-238:/etc/nginx/sites-available$ sudo systemctl restart nginx
ubuntu@ip-172-31-0-238:/etc/nginx/sites-available$
```

```
GNU nano 7.2 default
server {
    listen 80;
    server_name _;

    location / {
        proxy_pass http://localhost:4000;
        proxy_http_version 1.1;
        proxy_set_header Upgrade $http_upgrade;
        proxy_set_header Connection 'upgrade';
        proxy_set_header Host $host;
        proxy_cache_bypass $http_upgrade;
    }
}
```

[Directory '.' is not writable]


^G Help ^O Write Out ^W Where Is ^K Cut ^T Execute ^C Location M-U Undo
^X Exit ^R Read File ^\ Replace ^U Paste ^J Justify ^_ Go To Line M-E Redo

Step-7:

Now the site runs on IP without giving the port.

13.235.82.24:4000

Incognito



13.235.82.24 doesn't support a secure connection

You are seeing this warning because this site does not support HTTPS and you are in Incognito mode. [Learn more about this warning](#)

Continue to site

Go back