Docker

⇒ Lauch instance
⇒ Name: dockers - Application and OS images: Ubuntu
⇒ Create key pair
⇒ Network setting
  ☑ Allow HTTP traffic from the internet
⇒ Launch instance
⇒ Go to downloads open gitbash.
⇒ In instance → click connet → SSH client
  copy the command and paste in gitbash
⇒ Switch to root user
  > Sudo su -
  > apt update -y
⇒ Install reqiured packages
  > apt install nginx -y
  > apt install nodejs -y
  > apt install npm -y
  > npm install -g PM2

⇒ create and open the file.
  > cd /home
  > mkdir node
  > cd node
  > nano hello.js.

  Copy and paste the code.

  To Exit
    Ctrl + O
    Press Enter
    Ctrl + X

>node hello.js
> pm2 start hello.js --name app.
>nano /etc/nginx/sites-available/example.com

Copy and paste the code

To exit
ctrl+O
Press Enter
ctrl+x

> In -s /etc/nginx/sites-available/example.com
/etc/nginx/sites-enabled/
systemctl restart nginx.

⇒ Install Docker and Docker compose
>apt install -y docker.io
>apt install -y docker-compose.

⇒ Create Docker file
cd /home/node
nano Dockerfile.

Copy and paste the code
To exit
ctrl+O
Press Enter
ctrl+x

⇒ Create .dockerignore

> nano .dockerignore

copy and paste code.

⇒ Create Docker Hub Account

1) Go to https://hub.docker.com/
2) Sign up with your email and create username and password.
3) you'll use this username and password for tagging and pushing your image.

⇒ Build and Push Docker Image

```
>docker build -t Shalini69/node-app:latest
>docker login.-u Shalini69
>docker push Shalini69/node-app:latest
```

Docker Image is successfully Pushed in Docker Hub

Output