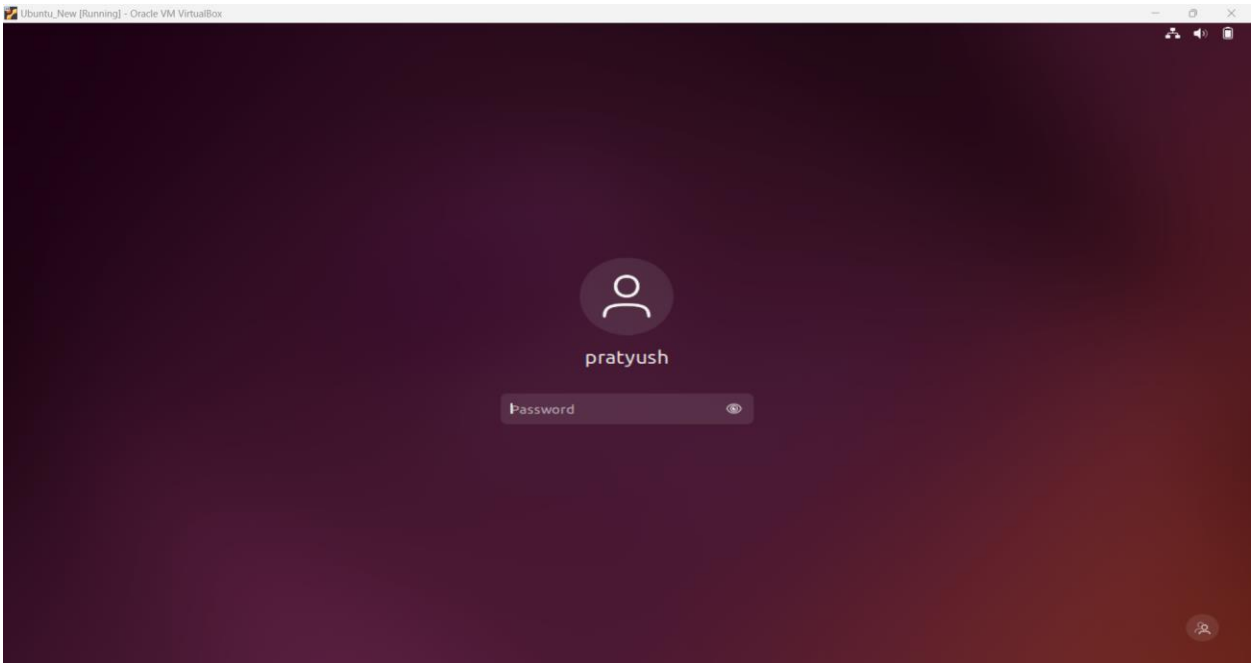
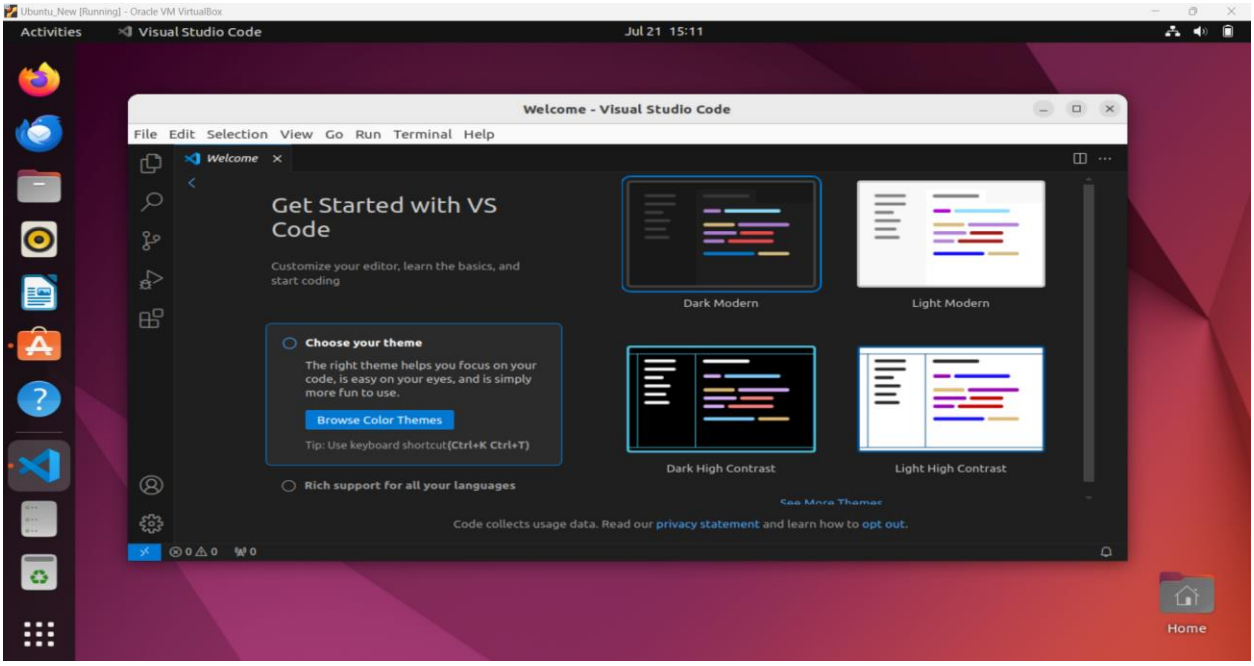
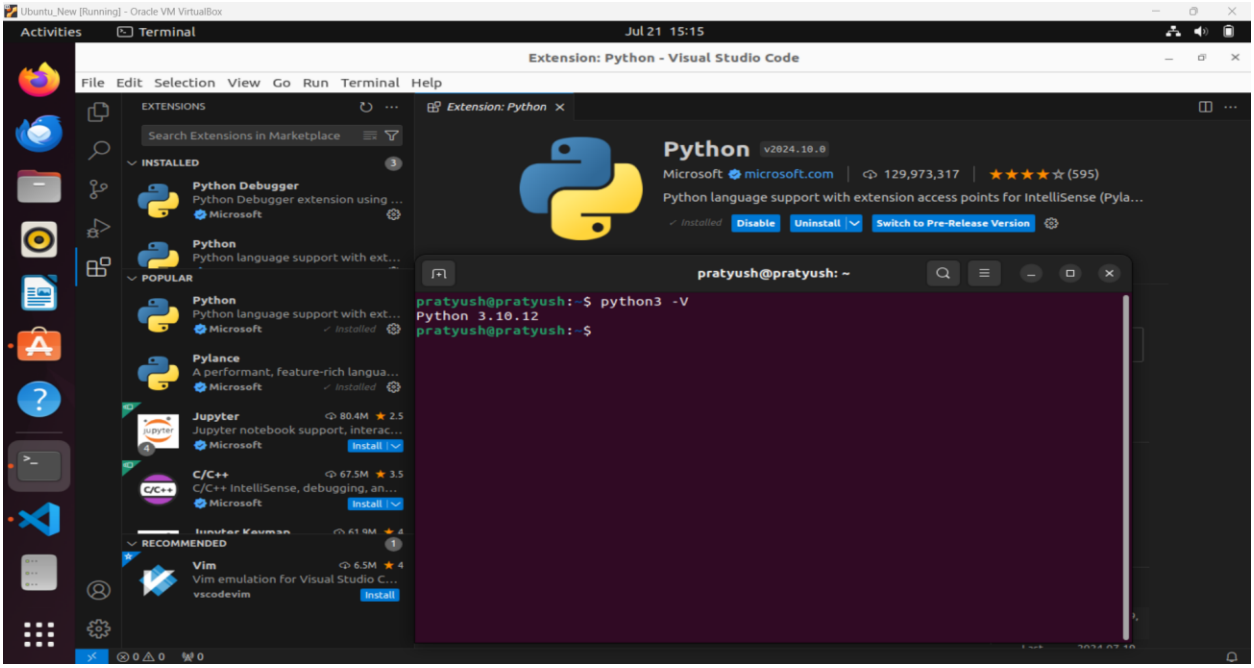
1. Host a Ubuntu Virtual Machine using Oracle VM Virtual Box.



2. Set up Visual Studio code on Ubuntu VM.



3. Set up Python.



4. Clone Repository

```
pratyush@pratyush:~/Desktop/GL_Week11_Assignment$ sudo git clone https://github.com/Vikas098766/Microservices.git
```

5. Create Virtual Environment

```
root@pratyush:/home/pratyush/Desktop/GL_Week11_Assignment# python3 -m venv GL_Week11_venv
```

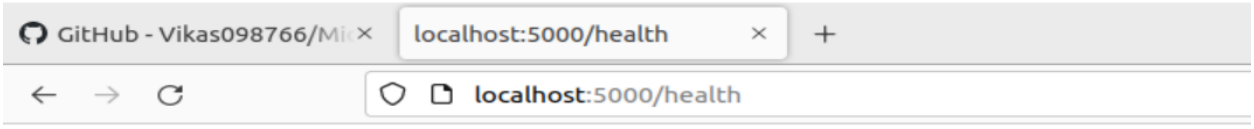
6. Install dependencies from requirement.txt file.

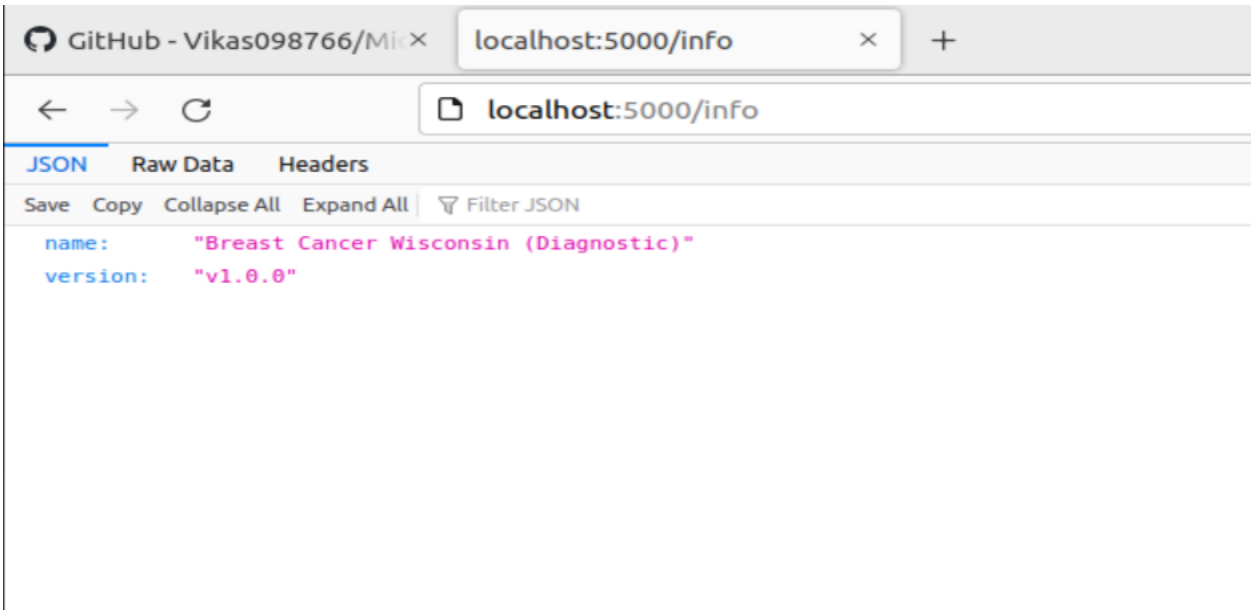
```
(GL_Week11_venv) root@pratyush:/home/pratyush/Desktop/GL_Week11_Assignment/Microservices# pip3 install -r requirements.txt
```

7. Train and save the model.

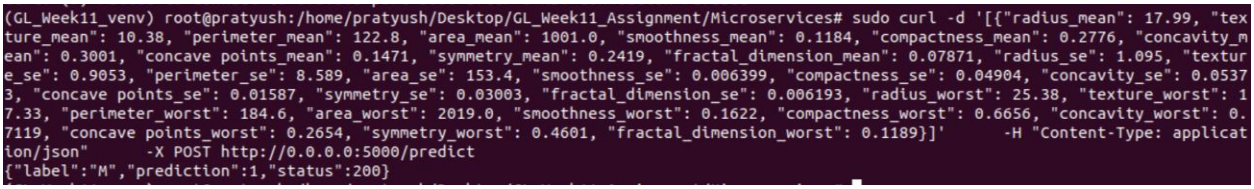
```
(GL_Week11_venv) root@pratyush:/home/pratyush/Desktop/GL_Week11_Assignment/Microservices/code_model_training# python3 train.py
Accuracy: 0.9736842105263158
```

8. Test Flask Application.





9. Test the application and make predictions using the example calls available in the folder/tests.



10. Create Docker image and run the containerized application.