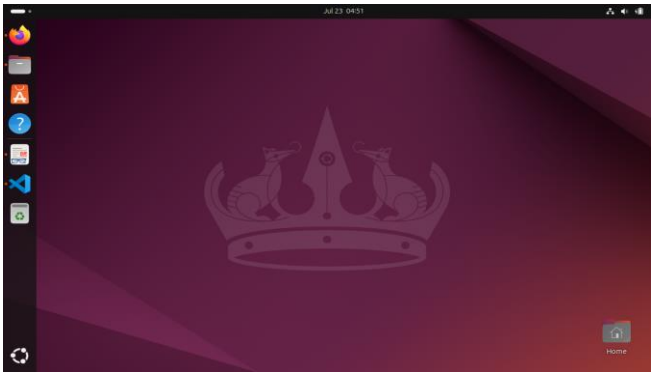
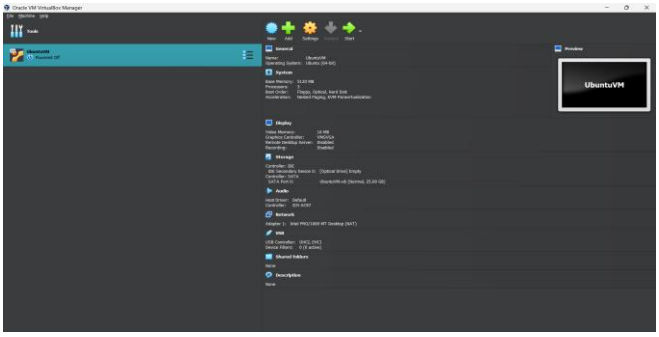
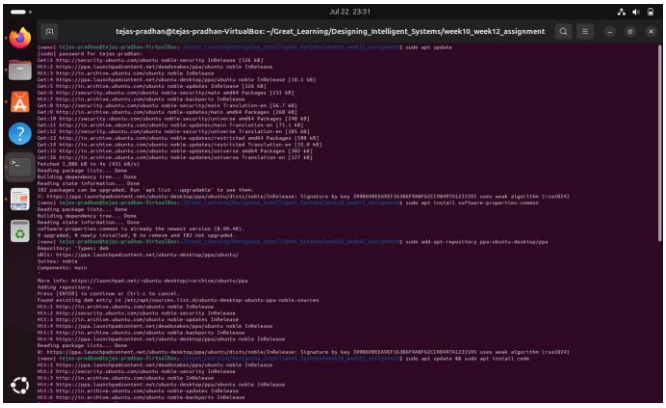
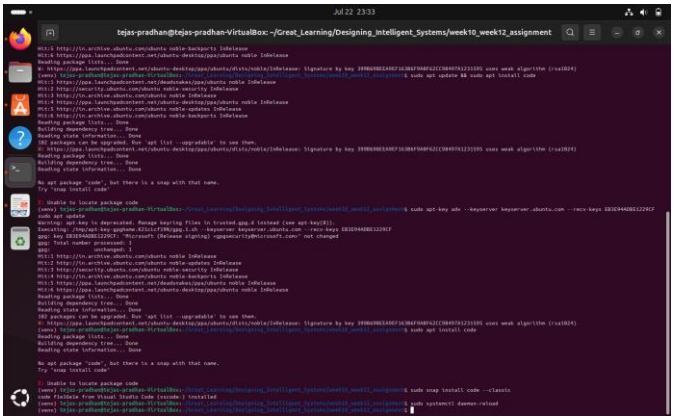
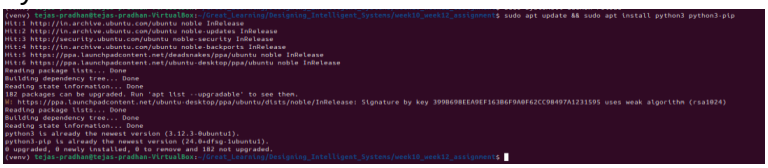
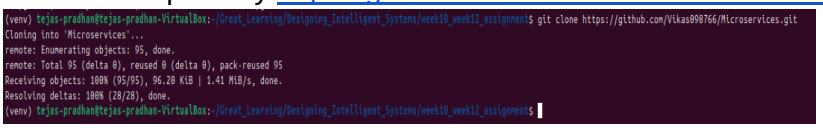
1. Host a Ubuntu Virtual Machine using Oracle VM Virtual Box.
   a. 
   b. 
2. Set up Visual Studio code on Ubuntu VM.
   a. 
   b. 

c. 

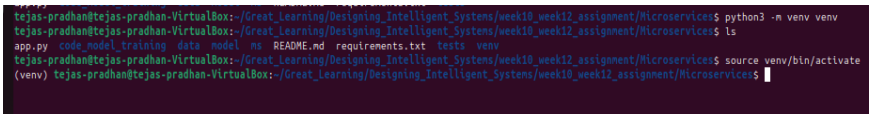
3. Set up Python.

a. 

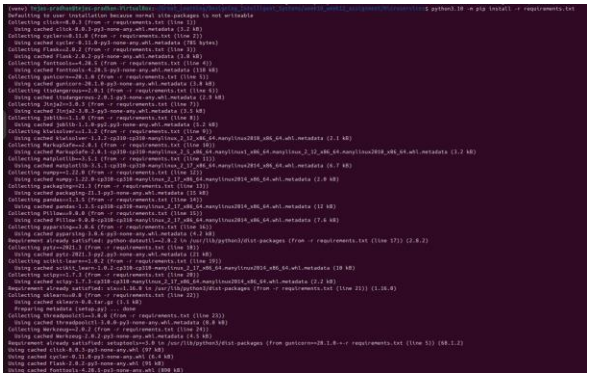
4. Clone this Github repository https://github.com/Vikas098766/Microservices.git

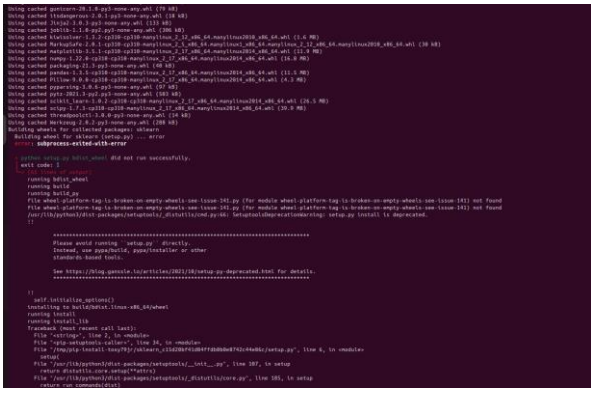
a. 

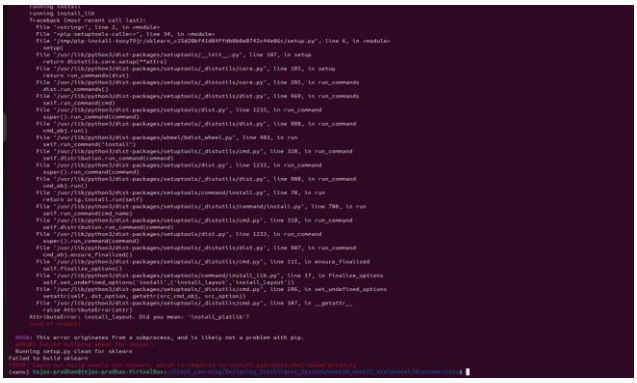
5. Create a Virtual Environment.

a. 

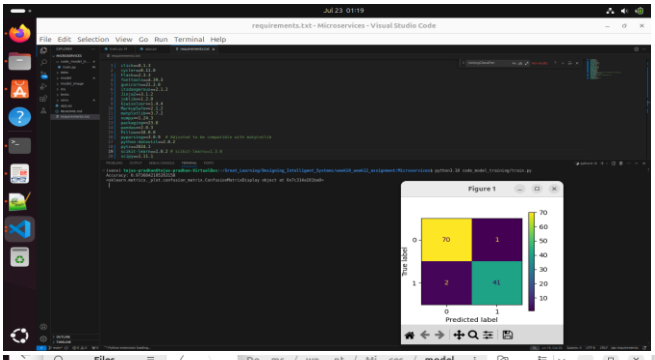
6. Install the dependencies from requirements.txt file.

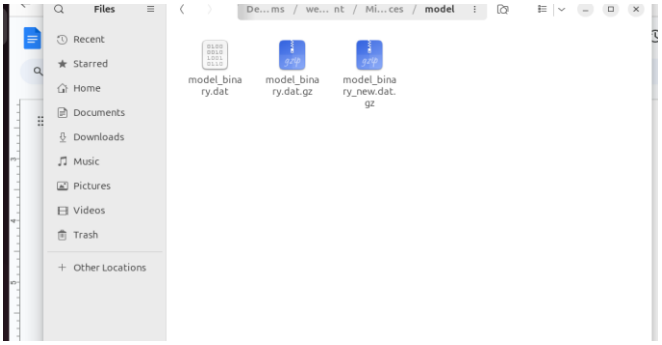
a. 

b. 

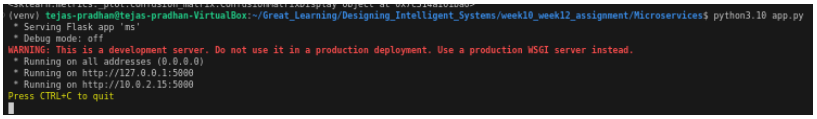
c. 

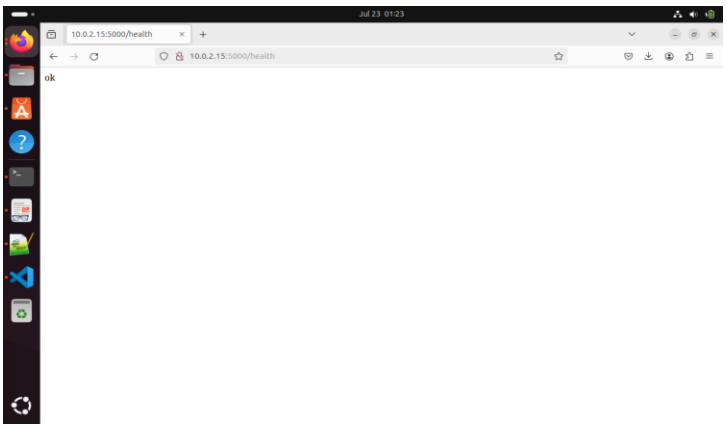
7. Train and save the model.

a. 

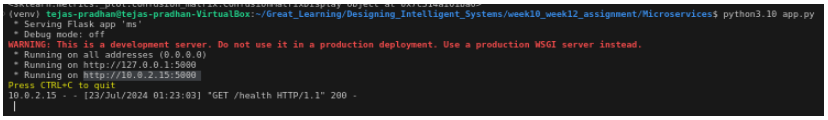
b. 

8. Test the Flask web application.

a. 

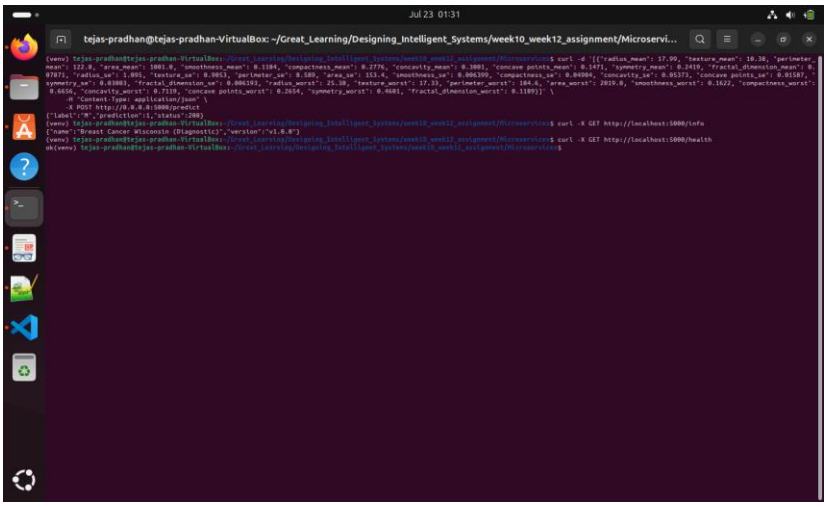
b. 

c.



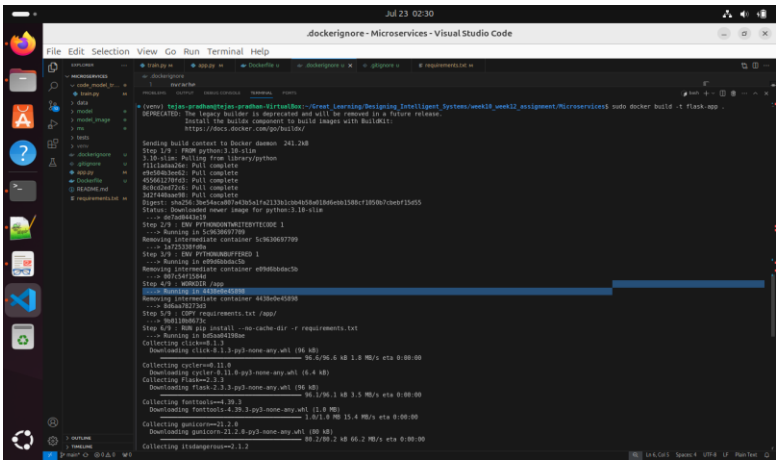
9. Test the application and make predictions using the example calls available in the folder /tests.

a.

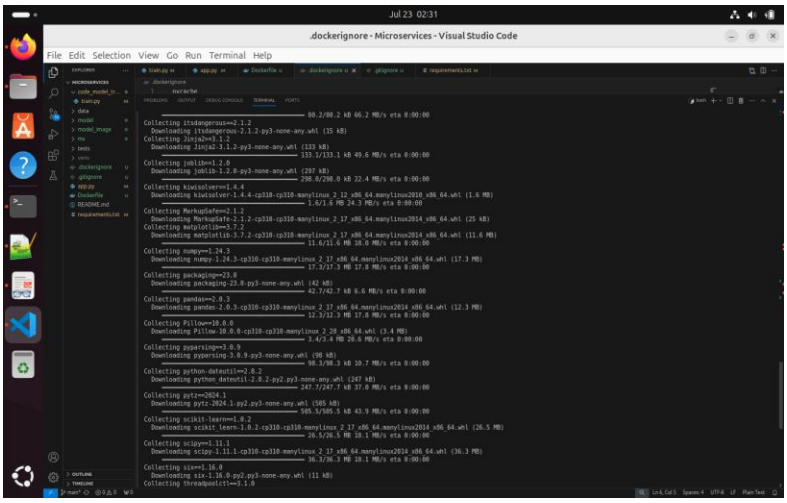


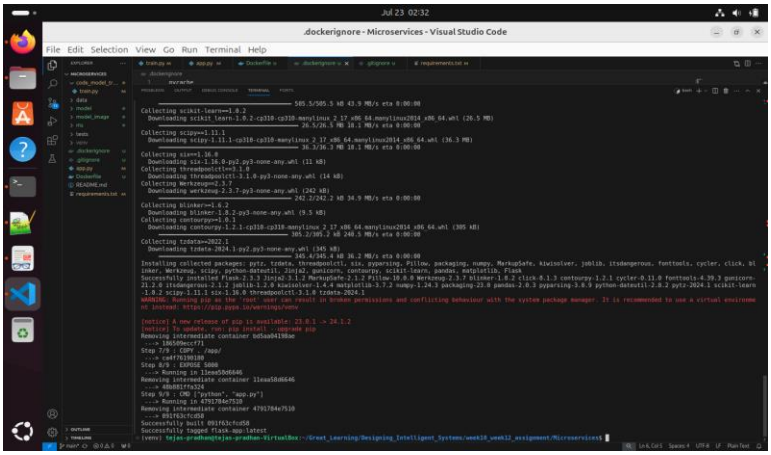
10. Create a docker image containing everything needed to run the application.

a.

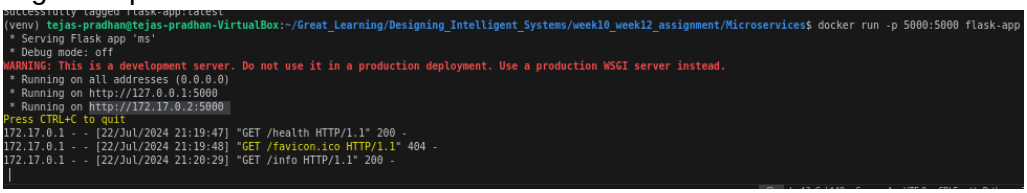


b.



c. 

11. Run the containerized application as a prediction service and test it locally by passing some example calls and get the prediction.

a. 

b.