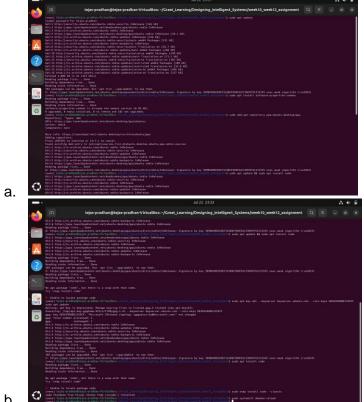
1. Host a Ubuntu Virtual Machine using Oracle VM Virtual Box.



b.

2. Set up Visual Studio code on Ubuntu VM.



b



3. Set up Python.

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a.

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

```
(vew) tejas-pradhan9tejas-pradhan-VirtualBox;-/orest_learning/Designing_Intelligent_Systems/week10_week10_assignment$ git clone https://github.com/Vikas090766/Microservices.git
Cloning into 'Microservices'...
renote: Enumerating objects: 95, done.
renote: Intelligent by State 10, reused 0 (delta 0), pack-reused 05
Receiving objects: 100% (05/95), 60.20 KiB | 1.41 MiB/s, done.
Receiving objects: 100% (05/95), 60.20 KiB | 1.41 MiB/s, done.
(vewn) tejas-pradhan0tejas-pradhan-VirtualBox;-/orest_learning/Designing_Intelligent_Systems/week10_week10_week10_assignment$
```

5. Create a Virtual Environment.

```
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```

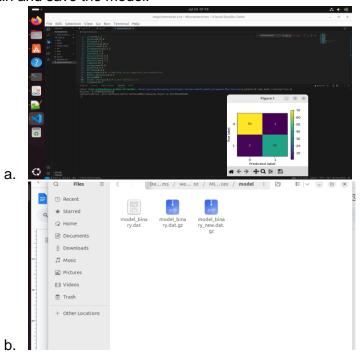
6. Install the dependencies from requirements.txt file.

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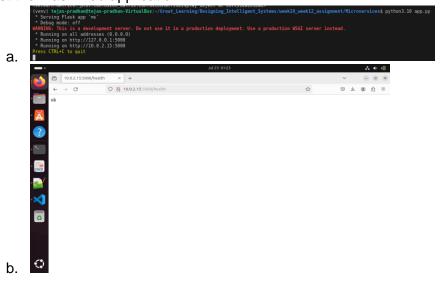
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7. Train and save the model.

C.

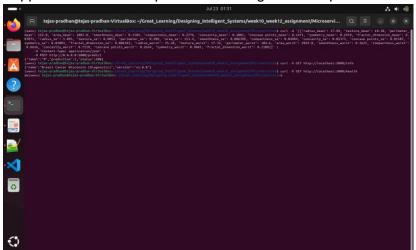


8. Test the Flask web application.



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



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

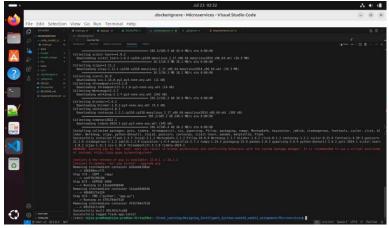


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11. Run the containerized application as a prediction service and test it locally by passing some example calls and get the prediction.

```
## Serving Flask appl. network. pyt. Privat Box: -private Private Box: -private Private Privat
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