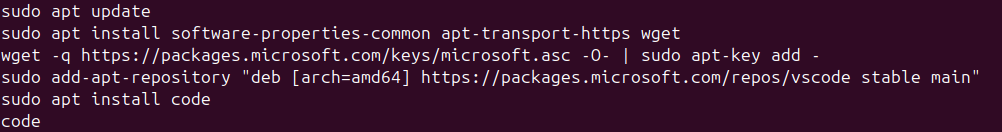
**Implementing a microservice using the Python Flask framework on an Ubuntu virtual machine to serve a machine learning prediction model**

**Screenshots:**

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

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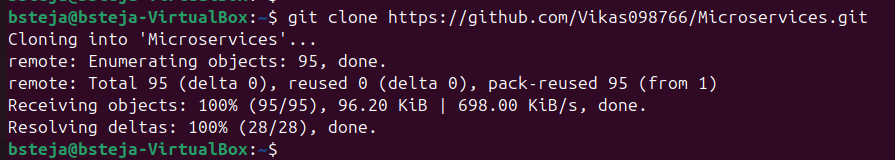
1. Set up Visual Studio code on Ubuntu VM.

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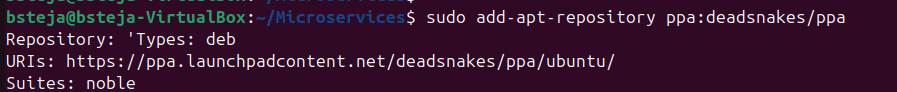
1. Set up Python

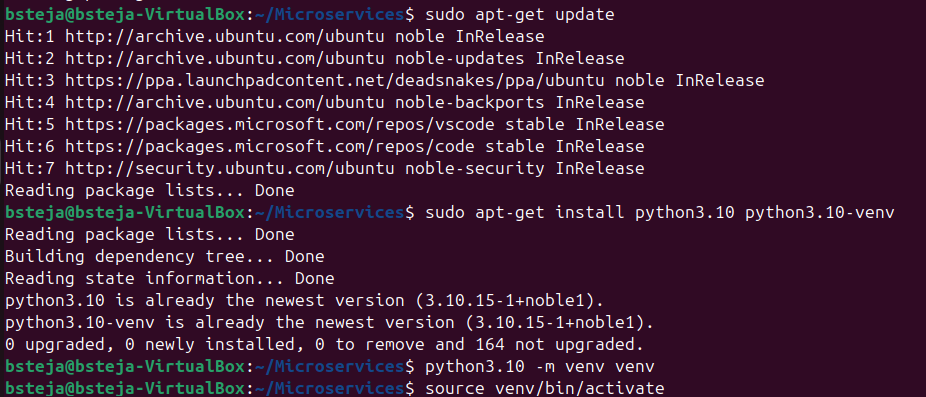
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1. Clone this Github repository <https://github.com/Vikas098766/Microservices.git>

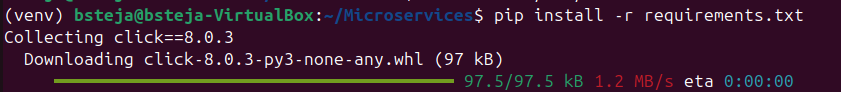
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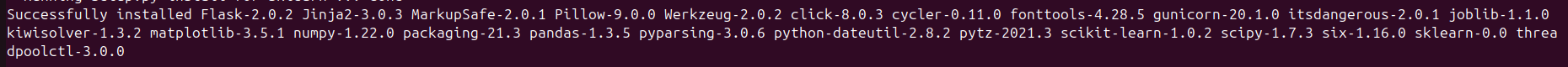
1. Create a Virtual Environment

****

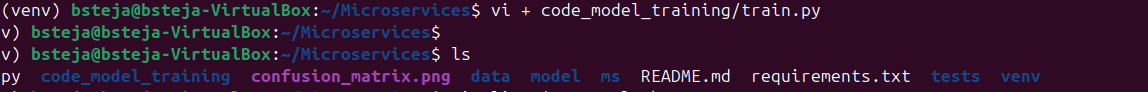
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1. Install the dependencies from requirements.txt file

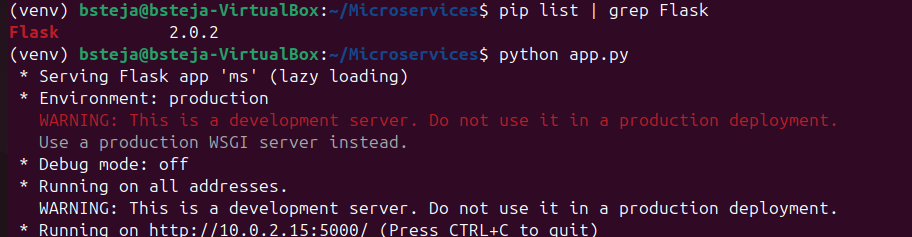
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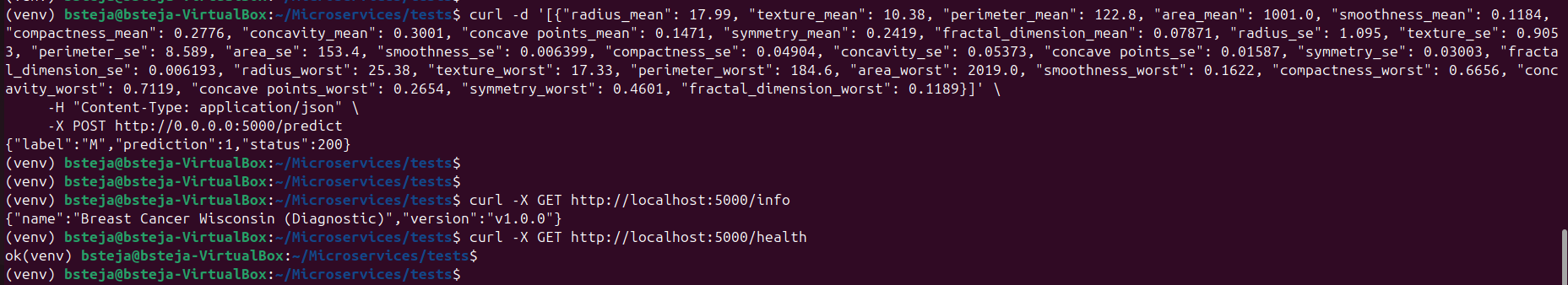
1. Train and save the model

****

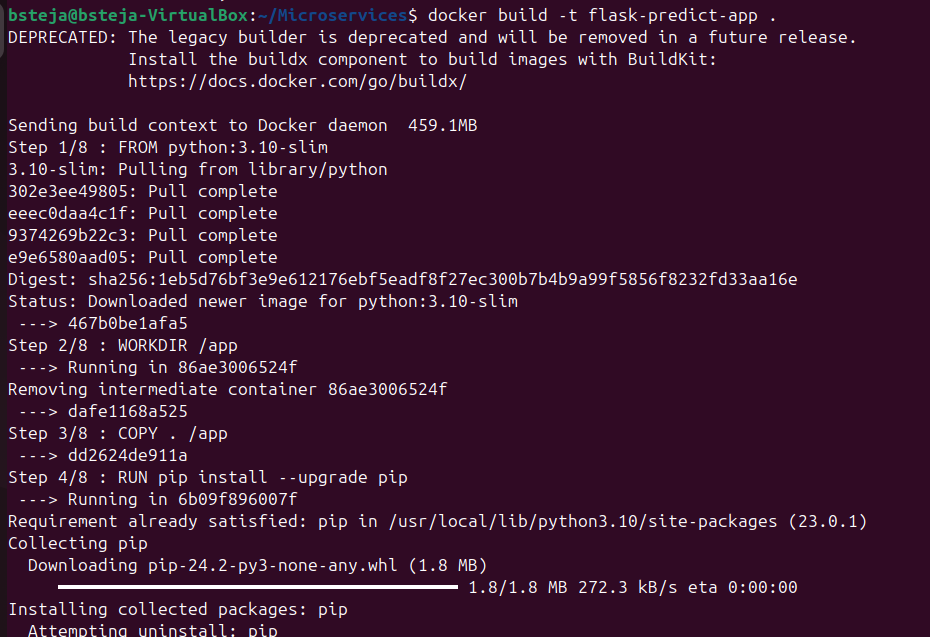
1. Test the Flask web application

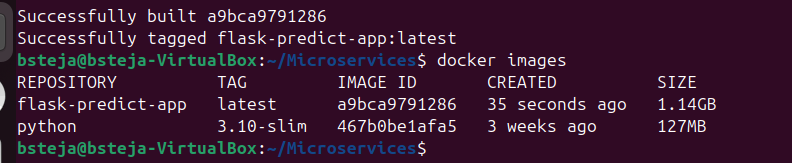
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1. Test the application and make predictions using the example calls available in the folder /tests



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





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

