1. Pre-Requisites
    a. Git
    b. Docker
    c. A code editor like VS Code.
2. Clone the Repository or Download. Your Choice.
    a. **To Download**,
        i. URL: https://github.com/Ghubuser570/Intelligent-Health-Monitor.git
    b. **Or, To Clone**, use this command,
        i. **git clone https://github.com/Ghubuser570/Intelligent-Health-Monitor.git**
3. Open VS Code or Just your CMD if you don't have VS code.
    a. **Change directory to, Cloned or Downloaded Project.**
4. Train and generate the AI Model File "model.pkl" using this command. But first navigate to the project folder. Using "cd" Command.
    a. **cd <Specify the Folder>**
    b. **cd app**
    c. **python model_trainer.py**
5. Check if and see if a "model.pkl" file has been generated.
6. Start **Docker Desktop** and then Start the Project.
    a. To Start the project, use this command. **TYPE THIS COMMAND DO NOT COPY AND PASTE. WILL NOT WORK IF COPIED AND PASTED.**
        i. **docker-compose up -d –build**
7. Images should have been pulled and Containers should be running. Check Docker Containers to See if there is a new container called Intelligent……. Something. 👷
8. Monitoring Dashboard URL: http://localhost:5000
9. Grafana: http://localhost:3000
10. Prometheus: http://localhost:9090
11. Jenkins: http://localhost:8080
12. Now to start the Important part. **Data Simulation**. To start the data simulation, go to, **Intelligent-Health-Monitor/app/** using the cd command. Now Enter this command to start the Data Simulation.
    a. **python data_simulation.py**
13. Data Simulation Starts. Check Monitoring Dashboard URL to See the data Updating.
14. Now to Visualize the Anomaly Graph in Grafana. Go to Grafana, Login using admin username and admin password. When your inside, go to import dashboards, and paste content of building_health_dashboard.json in the Grafana > Dashboards folder.
15. You should now see the data being visualized.
16. To Shut Everything down, Type this command.

a. **docker compose down**