**Python Tasks – Day2**

1. **Install vim and execute a hello world script using powershell**
   1. **Python installation link -** [**https://youtu.be/M5ILgNI0iXw**](https://youtu.be/M5ILgNI0iXw) **(first 20 minutes)**
   2. **Vim Installation link -** [**https://youtu.be/SBOFnzVuzOE**](https://youtu.be/SBOFnzVuzOE)
2. **Use Jupyter Notebook to execute following code, try to guess what is happing in this code**

import numpy as np

import matplotlib.pyplot as plt

height = np.random.normal(140, 20, 1000)

plt.figure(dpi=200)

plt.title("Height Distribuion")

plt.xlabel("Height (cm) ")

plt.ylabel("Frequency")

plt.hist(height, bins=30, ec="gold")

plt.show()

1. **Write down above code using vim on same working directory, and execute it using python interpreter, tell us difference between jupyter and notepad**
2. **Write Down difference between interpreter and compiler**
3. **What is Data Structure, why we need one in programs?**
4. **Run all python (.py) files inside day2 folder on drive, try understanding code beneath each scripts, you will going to create those scripts by yourself in future lecture**