**Assignment: Visualizing Weekly Study Hours**

**Question:**

Create a Python program that visualizes your weekly study hours (or sleep hours). The program should allow you to input the number of hours you studied each day of the week and display the data in a simple line plot.

**Instructions:**

Create following Python files: **main.py,gui.py and plotting.py**

* + **main.py**

import gui

gui.run\_app()

1. Implement the code in **gui.py** to create a Tkinter-based GUI that prompts you to enter the number of hours you studied each day of the week (Function run\_app) and then on Clicking the "Plot Data" button, generate the line plot

Hints : Use Labels ,Entry Boxes and Buttons

* + **gui.py**

import tkinter as tk

import plotting

def run\_app():

plot\_data(days,study\_hours) #list of days and study\_hours

1. Use the **plotting.py** file to plot the data as a line chart (Function-plot\_data)
   * **plotting.py**

def plot\_data(days, study\_hours):

1. Run the program by executing **main.py** and input the study hours for each day and click on “Plot Data” button to generate the plot.