**Task 1: Multiple Y-Axes Sharing a Common X-Axis Plot**

* **Libraries Used**: matplotlib, numpy
* **Summary**: In this task, we visualized the relationship between temperature and ice cream sales over a month. We used numpy to generate linearly spaced temperature values and matplotlib to create a plot with two y-axes:
* **Primary Y-Axis**: Represented temperature values.
* **Secondary Y-Axis**: Represented ice cream sales.
* I customized the plot to ensure the temperature axis starts from 10 to 40, providing a clearer view of the temperature range in relation to ice cream sales.
* **Key Steps**:

1. **Import Libraries**: Imported matplotlib.pyplot and numpy.
2. **Generate Data**: Created sample data for days, temperature, and ice cream sales.
3. **Create Plot**: Used plt.subplots() to create a figure and axis, and plotted temperature and ice cream sales on primary and secondary y-axes respectively.
4. **Customize Plot**: Set y-axis limits for temperature and added legends and titles.