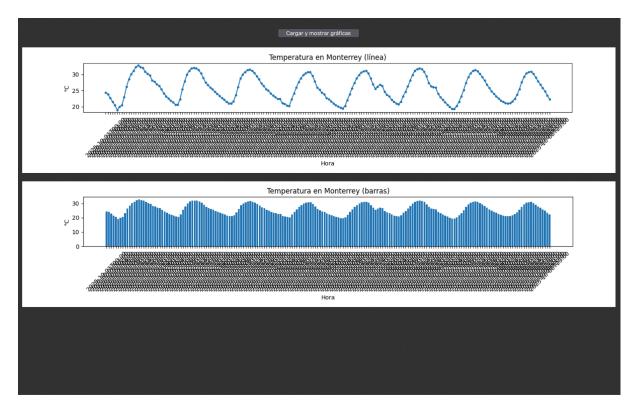
```
import tkinter as tk
from tkinter import ttk, messagebox
import requests
import matplotlib.pyplot as plt
from matplotlib.backends.backend tkagg import FigureCanvasTkAgg
def fetch data():
       response = requests.get(url, timeout=15)
       response.raise for status()
       data = response.json()
       temperaturas = data["hourly"]["temperature_2m"]
       return horas, temperaturas
def create line chart(horas, temps):
  fig, ax = plt.subplots(figsize=(6, 3))
  ax.plot(horas, temps, linestyle="-", marker="o", markersize=3)
  ax.tick params(axis="x", rotation=45)
  fig.tight layout()
```

```
def create bar chart(horas, temps):
  fig, ax = plt.subplots(figsize=(6, 3))
  ax.bar(horas, temps)
  ax.tick params(axis="x", rotation=45)
  fig.tight layout()
def mostrar_graficas(frm, horas, temps):
  fig1 = create_line_chart(horas, temps)
  canvas1.get tk_widget().pack(pady=10, fill="x")
  fig2 = create_bar_chart(horas, temps)
  canvas2.draw()
  canvas2.get_tk_widget().pack(pady=10, fill="x")
def open win canvas(parent: tk.Tk):
  win = tk.Toplevel(parent)
  win.geometry("960x1000")
  frm = ttk.Frame(win, padding=12)
  frm.pack(fill="both", expand=True)
  def cargar():
      if horas and temps:
          mostrar_graficas(frm, horas, temps)
```

```
ttk.Button(frm, text="Cargar y mostrar gráficas", command=cargar).pack(pady=10)

# Para pruebas independientes (opcional)

if __name__ == "__main__":
    root = tk.Tk()
    root.title("Prueba win_canvas")
    ttk.Button(root, text="Abrir ventana Canvas", command=lambda:
    open_win_canvas(root)).pack(pady=20)
    root.mainloop()
```



## cambios en el codigo :

```
latitude=25.676526419374973&longitude=-100.31450927683476
Temperatura en Monterrey
Temperatura en Monterrey (línea)"
```