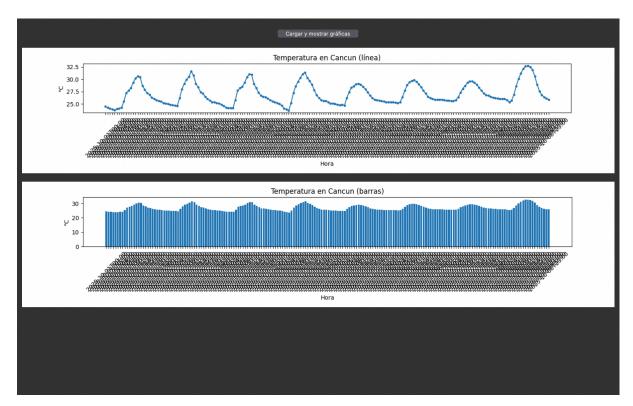
```
import tkinter as tk
from tkinter import ttk, messagebox
import requests
import matplotlib.pyplot as plt
from matplotlib.backends.backend tkagg import FigureCanvasTkAgg
def fetch data():
       response.raise for status()
       temperaturas = data["hourly"]["temperature_2m"]
       return horas, temperaturas
def create line chart(horas, temps):
  fig, ax = plt.subplots(figsize=(6, 3))
  ax.set title("Temperatura en cancun (línea)")
  ax.tick_params(axis="x", rotation=45)
  fig.tight layout( return fig
def create bar chart(horas, temps):
```

```
"""Gráfica de barras."""
  fig, ax = plt.subplots(figsize=(6, 3))
  ax.bar(horas, temps)
  ax.tick params(axis="x", rotation=45)
def mostrar_graficas(frm, horas, temps):
  fig1 = create line chart(horas, temps)
  canvas1.draw()
  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.geometry("960x1000")
  frm = ttk.Frame(win, padding=12)
  def cargar():
          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=21.17389&longitude=-86.85"
Temperatura en Cancun
Temperatura en Cancun (línea)"
```