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import tkinter as tk
from tkinter import ttk
import requests
# Function to fetch exchange rates
def get exchange rate(currency):
    url = f"https://api.exchangerate-api.com/v4/latest/USD"
    response = requests.get(url)
    rates = response.json().get("rates")
    return rates.get(currency, None)
# Conversion function
def convert currency():
    usd amount = float(usd entry.get())
    target currency = currency var.get()
    exchange rate = get exchange rate(target currency)
    if exchange rate:
        converted amount = usd amount * exchange rate
        result label.config(text=f"{usd amount} USD =
{converted amount:.2f} {target currency}")
    else:
        result label.config(text="Error: Invalid currency selected.")
# Create main window
root = tk.Tk()
root.title("USD Currency Converter")
# USD input field
usd label = tk.Label(root, text="USD Amount:")
usd label.grid(column=0, row=0)
usd entry = tk.Entry(root)
usd_entry.grid(column=1, row=0)
# Currency dropdown
currency var = tk.StringVar(root)
currency_var.set("Select Currency")
currencies = ["EUR", "GBP", "INR", "AUD", "CAD", "JPY"] # Add more
currencies as needed
currency menu = ttk.Combobox(root, textvariable=currency var,
values=currencies)
currency menu.grid(column=1, row=1)
# Convert button
convert button = tk.Button(root, text="Convert",
command=convert currency)
convert button.grid(column=0, row=2)
# Result label
result label = tk.Label(root, text="Converted amount will appear
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here.")
result_label.grid(column=0, row=3, columnspan=2)
# Run the application
root.mainloop()
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