



import tkinter as tk  
import requests  
  
def convert\_currency():  
 amount = amount\_entry.get()  
 from\_currency = from\_currency\_var.get()  
 to\_currency = to\_currency\_var.get()  
  
 if not amount:  
 return  
  
 try:  
 amount = float(amount)  
 except ValueError:  
 result\_label.config(text="Error: Invalid amount")  
 return  
  
 api\_key = "YOUR\_API\_KEY" # Замените "YOUR\_API\_KEY" на ваш ключ API  
 url = f"https://open.er-api.com/v6/latest/{from\_currency}"  
 response = requests.get(url)  
 data = response.json()  
  
 if "error" in data:  
 result\_label.config(text="Error: Unable to fetch conversion data")  
 return  
  
 conversion\_rate = data["rates"][to\_currency]  
 converted\_amount = amount \* conversion\_rate  
  
 result\_label.config(text=f"{amount:.2f} {from\_currency} = {converted\_amount:.2f} {to\_currency}")  
  
root = tk.Tk()  
root.title("Currency Converter")  
  
amount\_label = tk.Label(root, text="Amount:")  
amount\_label.grid(row=0, column=0)  
amount\_entry = tk.Entry(root)  
amount\_entry.grid(row=0, column=1)  
  
from\_currency\_label = tk.Label(root, text="From:")  
from\_currency\_label.grid(row=1, column=0)  
from\_currency\_var = tk.StringVar(root)  
from\_currency\_var.set("USD")  
from\_currency\_dropdown = tk.OptionMenu(root, from\_currency\_var, "USD", "EUR", "GBP")  
from\_currency\_dropdown.grid(row=1, column=1)  
  
to\_currency\_label = tk.Label(root, text="To:")  
to\_currency\_label.grid(row=2, column=0)  
to\_currency\_var = tk.StringVar(root)  
to\_currency\_var.set("EUR")  
to\_currency\_dropdown = tk.OptionMenu(root, to\_currency\_var, "USD", "EUR", "GBP")  
to\_currency\_dropdown.grid(row=2, column=1)  
  
result\_label = tk.Label(root, text="")  
result\_label.grid(row=3, columnspan=2, pady=(10, 0))  
  
# Добавляем обработчик события <KeyRelease> для поля ввода суммы  
amount\_entry.bind("<KeyRelease>", lambda event: root.after(1000, convert\_currency))  
  
root.mainloop()

