ORIIGINAL:

from tkinter import \*  
from tkinter import messagebox  
  
# Window setup  
window = Tk()  
window.geometry("600x500")  
window.title("Calculate Electricity Bill")  
window.configure(bg="grey")  
  
# Function to calculate electricity bill  
def calculate\_bill():  
 try:  
 name = entry\_name.get()  
 age = entry\_age.get()  
 units = float(entry\_units.get())  
  
 if not name or not age or units < 0:  
 raise ValueError  
  
 if units <= 100:  
 bill = units \* 0.21  
 elif units <= 200:  
 bill = (100 \* 0.21) + ((units - 100) \* 0.35)  
 else:  
 bill = (100 \* 0.21) + (100 \* 0.35) + ((units - 200) \* 0.50)  
  
 messagebox.showinfo("Electricity Bill",  
 f"Customer Name: {name}\n"  
 f"Age: {age}\n"  
 f"Units Consumed: {units:.2f} units\n"  
 f"Total Bill: RM {bill:.2f}")  
  
 except ValueError:  
 messagebox.showerror("Invalid Input", "Please enter valid inputs and ensure no field is empty")  
  
# Function to clear input fields  
def clear\_fields():  
 entry\_name.delete(0, END)  
 entry\_age.delete(0, END)  
 entry\_units.delete(0, END)  
 messagebox.showinfo("Clear Fields", "All input fields have been cleared.")  
  
# Function to exit the application  
def exit\_app():  
 if messagebox.askyesno("CONFIRM EXIT", "Are you sure you want to exit?"):  
 window.destroy()  
  
# ------------------- Widgets ------------------- #  
  
# Title Label  
Label(window, text="WELCOME TO CALCULATION", font=("Arial", 16, "bold"), bg="WHITE", fg="BLACK").place(x=170, y=20)  
  
# Labels and Entries  
Label(window, text="Name:", font=("Arial", 12), bg="skyblue").place(x=50, y=70)  
entry\_name = Entry(window, font=("Arial", 12), width=30)  
entry\_name.place(x=250, y=70)  
  
Label(window, text="Age:", font=("Arial", 12), bg="#f0f8ff").place(x=50, y=110)  
entry\_age = Entry(window, font=("Arial", 12), width=30)  
entry\_age.place(x=250, y=110)  
  
Label(window, text="Total Electricity Consumed:", font=("Arial", 12), bg="#f0f8ff").place(x=50, y=150)  
entry\_units = Entry(window, font=("Arial", 12), width=30)  
entry\_units.place(x=250, y=150)  
  
# Buttons  
Button(window, text="CALCULATE", command=calculate\_bill,font=("Arial", 10, "bold"), bg="#2ecc71", fg="black", width=12).place(x=150, y=210)  
  
Button(window, text="CLEAR", command=clear\_fields,font=("Arial", 10, "bold"), bg="#f39c12", fg="white", width=12).place(x=260, y=210)  
  
Button(window, text="EXIT", command=exit\_app,font=("Arial", 10, "bold"), bg="#e74c3c", fg="white", width=12).place(x=370, y=210)  
  
window.mainloop()

AREA DAN PARAMETER

from tkinter import \*  
from tkinter import messagebox  
  
# Function to calculate electricity bill  
def calculate\_bill():  
 try:  
 name = entryName.get()  
 age = entryAge.get()  
 units = float(entryUnits.get())  
  
 # Validation  
 if not name or not age or units < 0:  
 raise ValueError  
  
 # Bill calculation  
 if units <= 100:  
 bill = units \* 0.21  
 elif units <= 200:  
 bill = (100 \* 0.21) + ((units - 100) \* 0.35)  
 else:  
 bill = (100 \* 0.21) + (100 \* 0.35) + ((units - 200) \* 0.50)  
  
 messagebox.showinfo("Electricity Bill Result",  
 f"\*\n"  
 f"Electricity Bill Calculator\n"  
 f"Name: {name}\n"  
 f"Age: {age}\n"  
 f"Units Consumed: {units:.2f} units\n"  
 f"Total Bill: RM {bill:.2f}\n"  
 f"Thank you for using our system!\n"  
 f"\*")  
  
 except ValueError:  
 messagebox.showerror("Invalid Input", "Please enter valid details. All fields must be filled with valid values.")  
  
# Function to clear fields  
def clear\_fields():  
 entryName.delete(0, END)  
 entryAge.delete(0, END)  
 entryUnits.delete(0, END)  
 messagebox.showinfo("Clear Fields", "All input fields have been cleared.")  
  
# Function to exit window  
def exit\_app():  
 if messagebox.askyesno("Confirm Exit", "Are you sure you want to exit?"):  
 window.destroy()  
  
# --- GUI SETUP ---  
window = Tk()  
window.title("Electricity Bill Calculator")  
window.geometry("400x350")  
window.config(background='lightblue')  
  
# Title  
lblTitle = Label(window, font=('Arial', 13, 'bold'), text='Electricity Bill Calculator:')  
lblTitle.place(x=70, y=30)  
lblTitle.config(background='lightblue', fg='#2c3e50')  
  
# Name  
lblName = Label(window, font=('Arial', 10, 'bold'), text='Name:')  
lblName.place(x=40, y=80, width=110)  
lblName.config(background='#3498db', fg='white')  
entryName = Entry(window)  
entryName.place(x=170, y=80)  
  
# Age  
lblAge = Label(window, font=('Arial', 10, 'bold'), text='Age:')  
lblAge.place(x=40, y=120, width=110)  
lblAge.config(background='#3498db', fg='white')  
entryAge = Entry(window)  
entryAge.place(x=170, y=120)  
  
# Units  
lblUnits = Label(window, font=('Arial', 10, 'bold'), text='Total Units (kWh):')  
lblUnits.place(x=40, y=160, width=110)  
lblUnits.config(background='#3498db', fg='white')  
entryUnits = Entry(window)  
entryUnits.place(x=170, y=160)  
  
# Button styling  
button\_style = {"width": "10", "bg": "BLACK", "fg": "#fcfafc"}  
  
# Buttons  
btnCalc = Button(window, font=('Arial', 10, 'bold'), text='Calculate', command=calculate\_bill, \*\*button\_style)  
btnCalc.place(x=50, y=230)  
  
btnClear = Button(window, font=('Arial', 10, 'bold'), text='Clear', command=clear\_fields, \*\*button\_style)  
btnClear.place(x=150, y=230)  
  
btnExit = Button(window, font=('Arial', 10, 'bold'), text='Exit', command=exit\_app, \*\*button\_style)  
btnExit.place(x=250, y=230)  
  
# Start main loop  
window.mainloop()