import tkinter as tk

from tkinter import messagebox

def calculate\_charge():

try:

minutes = float(entry\_minutes.get())

rate = 0

if rate\_var.get() == "Daytime":

rate = 0.02

elif rate\_var.get() == "Evening":

rate = 0.12

elif rate\_var.get() == "Off-Peak":

rate = 0.05

charge = minutes \* rate

messagebox.showinfo("Total Charge", f"The charge for the call is ${charge:.2f}")

except ValueError:

messagebox.showerror("Input Error", "Please enter a valid number of minutes.")

root = tk.Tk()

root.title("Long-Distance Call Charges")

label\_minutes = tk.Label(root, text="Enter the number of minutes:")

label\_minutes.grid(row=0, column=0, padx=10, pady=5)

entry\_minutes = tk.Entry(root)

entry\_minutes.grid(row=0, column=1, padx=10, pady=5)

rate\_var = tk.StringVar(value="Daytime")

radio\_daytime = tk.Radiobutton(root, text="Daytime (6:00 A.M. - 5:59 P.M.)", variable=rate\_var, value="Daytime")

radio\_daytime.grid(row=1, column=0, columnspan=2, sticky='w')

radio\_evening = tk.Radiobutton(root, text="Evening (6:00 P.M. - 11:59 P.M.)", variable=rate\_var, value="Evening")

radio\_evening.grid(row=2, column=0, columnspan=2, sticky='w')

radio\_offpeak = tk.Radiobutton(root, text="Off-Peak (midnight - 5:59 A.M.)", variable=rate\_var, value="Off-Peak")

radio\_offpeak.grid(row=3, column=0, columnspan=2, sticky='w')

button\_calculate = tk.Button(root, text="Calculate Charge", command=calculate\_charge)

button\_calculate.grid(row=4, column=0, columnspan=2, pady=10)

root.mainloop()