import tkinter as tk

def check\_string(*input\_text*):

    a\_index = input\_text.find('a')

    b\_index = input\_text.find('b')

    c\_index = input\_text.find('c')

    if a\_index != -1 and b\_index != -1 and c\_index != -1 and a\_index < b\_index < c\_index:

        return 'YES'

    else:

        return 'NO'

def on\_click():

    input\_text = entry.get()

    if set(input\_text) == set('abc'):

        result = check\_string(input\_text)

        result\_label.config(*text*=result)

    else:

        result\_label.config(*text*='Invalid input')

root = tk.Tk()

root.title('PA 03')

root.geometry('400x200')

root.resizable(False, False)

title\_label = tk.Label(root, *text*='PA 03', *font*=('Arial', 18, 'bold'), *pady*=10)

title\_label.pack()

input\_label = tk.Label(root, *text*='Enter a string (contains a, b, and c only):', *font*=('Arial', 12))

input\_label.pack()

entry = tk.Entry(root, *width*=30, *font*=('Arial', 12))

entry.pack()

check\_button = tk.Button(root, *text*='Check', *font*=('Arial', 12), *command*=on\_click)

check\_button.pack(*pady*=10)

result\_label = tk.Label(root, *text*='', *font*=('Arial', 14, 'bold'), *fg*='red')

result\_label.pack()

window\_width = root.winfo\_reqwidth()

window\_height = root.winfo\_reqheight()

position\_right = int(root.winfo\_screenwidth() / 2 - window\_width / 2)

position\_down = int(root.winfo\_screenheight() / 2 - window\_height / 2)

root.geometry("+{}+{}".format(position\_right, position\_down))

root.mainloop()