from tkinter import \*

root = Tk()

root.geometry('600x600')

root.resizable(0, 0)

root.title("Website Blocker")

Label(root, text='WEBSITE BLOCKER', font='arial 20 bold').pack()

Label(root, text='Saurabh & Suresh', font='arial 20 bold').pack(side=BOTTOM)

host\_path = r'C:\Windows\System32\drivers\etc\hosts'

ip\_address = '127.0.0.1'

blocked\_websites = []

Label(root, text='Enter Website(s):', font='arial 13 bold').place(x=5, y=60)

Websites = Entry(root, font='arial 10', width='40')

Websites.place(x=150, y=60)

listbox = Listbox(root, font='arial 10', width='40', height='10')

listbox.place(x=150, y=200)

def update\_listbox():

listbox.delete(0, END)

for website in blocked\_websites:

listbox.insert(END, website)

def Blocker():

website\_lists = Websites.get().split()

with open(host\_path, 'r+') as host\_file:

file\_content = host\_file.read()

for website in website\_lists:

if website in file\_content:

Label(root, text=f'{website} is Already Blocked', font='arial 12 bold').place(x=200, y=150)

else:

host\_file.write(ip\_address + " " + website + '\n')

blocked\_websites.append(website)

Label(root, text=f'{website} Blocked', font='arial 12 bold').place(x=300, y=150)

update\_listbox()

def Unblocker():

website\_lists = Websites.get().split()

with open(host\_path, 'r') as host\_file:

lines = host\_file.readlines()

with open(host\_path, 'w') as host\_file:

for line in lines:

if not any(website in line for website in website\_lists):

host\_file.write(line)

for website in website\_lists:

if website in blocked\_websites:

blocked\_websites.remove(website)

Label(root, text=f'{website} Unblocked', font='arial 12 bold').place(x=300, y=150)

update\_listbox()

block\_btn = Button(root, text='BLOCK', font='arial 12 bold', command=Blocker, width=6, bg='royal blue1', activebackground='sky blue')

block\_btn.place(x=100, y=150)

unblock\_btn = Button(root, text='UNBLOCK', font='arial 12 bold', command=Unblocker, width=8, bg='red', activebackground='orange')

unblock\_btn.place(x=200, y=150)

root.mainloop()