Apply regular expression for form validation. Create your domain-form using Tkinter Module.

In [ ]:
```python
"""Form should contain Text box [For Name, Email Id, Phone number], Dropdown [fo
Gender], Spinbox [for Year/DoB] and other necessary widgets required for your
domain. Validate Your Name, Email Id, Phone number in the form."""

from tkinter import *
import re

def submitform():
    flag=True
    name = Name.get() # Get value from textbox widget
    print(name)
    namergx=r"^[a-zA-Z]+((['. -][a-zA-Z ])?[a-zA-Z]*)*$"
    namematch=re.search(namergx,name)
    if(namematch):
        pass
    else:
        flag=False
        nameerr = Label(window, text="Invalid Name",width=20,font=("bold", 8),fg

    email = Email.get() # Get value from textbox widget
    print(email)
    emailrgx=r"^[a-zA-Z0-9._-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,4}$"
    emailmatch=re.search(emailrgx,email)
    if(emailmatch):
        pass
    else:
        flag=False
        emailerr = Label(window, text="Invalid Email",width=20,font=("bold", 8),

    phone = Phone.get() # Get value from textbox widget
    print(phone)
    phonergx=r"\d{3}\-\d{3}-\d{4}"
    phonematch=re.search(phonergx,phone)
    if(phonematch):
        pass
    else:
        flag=False
        phoneerr = Label(window, text="(xxx-xxx-xxxx) format",width=20,font=("bc

    gender = Gender.get() # Get value from textbox widget
    print(gender)
    if(gender=="Not Chosen"):
        gendererr = Label(window, text="Choose a gender",width=20,font=("bold",

    dob = DOB.get() # Get value from textbox widget
    print(dob)

    if(flag):
        Sucess = Label(window, text="Validatiion Success",width=50,font=("bold",

window = Tk()
```

```python
window.geometry('500x500')
window.title("Registration Form")

Title = Label(window, text="Domain Details Form",width=20,font=("bold", 20)).pla
NameLabel = Label(window, text="Name",width=20,font=("bold", 10)).place(x=20,y=8
Name = Entry(window)
Name.place(x=180,y=80)

EmailLabel = Label(window, text="Email",width=20,font=("bold", 10)).place(x=20,y
Email = Entry(window)
Email.place(x=180,y=120)

PhoneLabel = Label(window, text="Phone Number",width=20,font=("bold", 10)).place
Phone = Entry(window)
Phone.place(x=180,y=160)

GenderLabel = Label(window, text="Gender",width=20,font=("bold", 10)).place(x=20
genderOptions=["Male","Female","Other"]
Gender=StringVar()
Gender.set("Not Chosen")
GenderDrop = OptionMenu( window , Gender , *genderOptions )
GenderDrop.pack()
GenderDrop.place(x=180,y=200)

DOBLabel = Label(window, text="Year Of Birth",width=20,font=("bold", 10)).place(
DOB = Spinbox(window, from_ = 1950, to = 2023)
DOB.pack()
DOB.place(x=180,y=240)

submitButton=Button(window, text='Submit',width=10,bg='brown',fg='white',command
submitButton.place(x=200,y=300)
window.mainloop()
```

```
Not Chosen
1950
```