In [43]:

```python
from tkinter import *

root = Tk()
root.minsize(300,300)
root.resizable(0,0)
root.title("tictactoe")

## Labels

user1 = Label(root, text = "Enter Name", font = ('Arial', 10), width = 12)
user1.grid(row = 0, column = 0, pady = 20)

user2 = Label(root, text = "Enter Name", font = ('Arial', 10), width = 12)
user2.grid(row = 1, column = 0)

## Entry

name1 = StringVar()
entry1 = Entry(root, width = 25, font = ('Arial', 10), textvariable = name1)
entry1.grid(row = 0, column = 1, ipady = 2)

name2 = StringVar()
entry2 = Entry(root, width = 25, font = ('Arial', 10), textvariable = name2)
entry2.grid(row = 1, column = 1, ipady = 2)

## Button

def click():
    a = name1.get()
    b = name2.get()
    print(f"User1 is {a} & user2 is {b}")

b1 = Button(root, text = "Submit",font = ('Arial', 10) , command = click)
b1.grid(row = 3, column = 0, columnspan = 2, pady = 20)

root.mainloop()
```

User1 is & user2 is

In [56]:

```python
from tkinter import *

root = Tk()
root.minsize(300,300)
root.resizable(0,0)


def show1():
    root.configure(bg = 'red')

def show2():
    root.configure(bg = 'green')

def show3():
    root.configure(bg = 'blue')

b1 = Button(root, text = "Click me", font = ('Arial', 10), command = show1)
b1.grid(row = 0, column = 0, padx = 15, pady = 10)

b2 = Button(root, text = "Click me", font = ('Arial', 10), command = show2)
b2.grid(row = 0, column = 1, padx = 15, pady = 10)

b3 = Button(root, text = "Click me", font = ('Arial', 10), command = show3)
b3.grid(row = 0, column = 2, padx = 15, pady = 10)

root.mainloop()
```

Event handling using bind method

In [67]:

```python
from tkinter import *

root = Tk()
root.minsize(300,300)
root.resizable(0,0)


def show1(e):
    root.configure(bg = 'red')

def show2(e):
    root.configure(bg = 'green')

def show3(e):
    root.configure(bg = 'pink')

b1 = Button(root, text = "Click me", font = ('Arial', 10))
b1.bind("<Button-1>", show1)
b1.bind("<Button-2>", show2)
b1.bind("<Button-3>", show3)
b1.pack()


root.mainloop()
```

Event handling using lambda function

In [74]:

```
from tkinter import *

root = Tk()
root.minsize(300,300)
root.resizable(0,0)




b1 = Button(root, text = "Click me", font = ('Arial', 10))
b1.bind("<Double-1>",lambda e: root.configure(bg = 'red') )
b1.bind("<Button-2>",lambda e: root.configure(bg = 'pink') )
b1.bind("<Double-3>",lambda e: root.configure(bg = 'green') )
b1.pack()


root.mainloop()
```

In [77]:

```
from tkinter import *

root = Tk()
root.minsize(300,300)
root.resizable(0,0)




b1 = Button(root, text = "Click me", font = ('Arial', 10))
b1.bind("<Enter>",lambda e: root.configure(bg = 'red') )
b1.bind("<Leave>",lambda e: root.configure(bg = 'pink') )

b1.pack()


root.mainloop()
```

In [79]:

```
from tkinter import *

root = Tk()
root.minsize(300,300)
root.resizable(0,0)

root.bind("<Enter>",lambda e: root.configure(bg = 'cyan') )
root.bind("<Leave>",lambda e: root.configure(bg = 'pink') )



root.mainloop()
```

In [80]:

```python
from tkinter import *

root = Tk()
root.minsize(300,300)
root.resizable(0,0)

root.bind("<Key-a>",lambda e: root.configure(bg = 'cyan')) # simply can pass "a"
root.bind("<Key-b>",lambda e: root.configure(bg = 'pink'))



root.mainloop()
```

In [81]:

```python
from tkinter import *

root = Tk()
root.minsize(300,300)
root.resizable(0,0)

root.bind("1",lambda e: root.configure(bg = 'cyan')) # simply can pass "a"
root.bind("2",lambda e: root.configure(bg = 'pink'))



root.mainloop()
```

In [86]:

```python
from tkinter import *

root = Tk()
root.minsize(300,300)
root.resizable(0,0)

root.bind("<Shift-Up>",lambda e: root.configure(bg = 'cyan'))
root.bind("<Shift-Down>",lambda e: root.configure(bg = 'pink'))
root.bind("<Shift-Left>",lambda e: root.configure(bg = 'red'))          ### Same for Alt
key Control key also
root.bind("<Shift-Right>",lambda e: root.configure(bg = 'yellow'))



root.mainloop()
```

In [90]:

```python
from tkinter import *

root = Tk()
root.minsize(300,300)
root.resizable(0,0)


b1 = Button(root, text = "Click me", font = ('Arial', 12))
b1.bind("<Button>",lambda e: root.configure(bg = 'cyan'))
b1.bind("<ButtonRelease>",lambda e: root.configure(bg = 'pink'))
b1.pack()

root.mainloop()
```

In [92]:

```python
from tkinter import *

root = Tk()
root.minsize(300,300)
root.resizable(0,0)


b1 = Button(root, text = "Click me", font = ('Arial', 12))

def show1(e):
    root.configure(bg = 'cyan')

def show2(e):
    root.configure(bg = 'pink')

b1.bind("<Button>", show1)
b1.bind("<ButtonRelease>",show2)
b1.pack()

root.mainloop()
```

In [98]:

```python
### above code using one function

from tkinter import *

root = Tk()
root.minsize(300,300)
root.resizable(0,0)


b1 = Button(root, text = "Click me", font = ('Arial', 12))

x = 1
def show1(e):
    global x
    x +=1
    if (x % 2 == 0):
        root.configure(bg = 'cyan')
    else:
        root.configure(bg = 'pink')



b1.bind("<Button>", show1)
b1.bind("<ButtonRelease>",show1)
b1.pack()

root.mainloop()
```

In [99]:

```python
# Motion event

from tkinter import *

root = Tk()
root.minsize(300,300)
root.resizable(0,0)


b1 = Button(root, text = "Click me", font = ('Arial', 12))

x = 1
def show1(e):
    global x
    x +=1
    if (x % 2 == 0):
        root.configure(bg = 'cyan')
    else:
        root.configure(bg = 'pink')



b1.bind("<Motion>", show1)
b1.pack()

root.mainloop()
```