

RadioButton

A radio button is a Python Tkinter GUI widget that allows the user to choose only one of a predefined set of mutually exclusive options

```
Rbbtn = Radiobutton(master, option.....)
```

You can create a control variable by using the IntVar() function. You can also use StringVar() if you wish to return a string value.

It's important for Radio Buttons to share the same control variable like checkbutton. This is because only one radio button should be selected at a time (Because the control variable can only hold one value at a time). If each radio button had a unique control variable, it would be no different from a Check Button. However, to differentiate between them, they must have different values.

Retrieving Radio Button Values

A Radio Button returns the value assigned to it while creating it.

```
from tkinter import *

def clic():
    value=v.get()
    print(value)

root=Tk()
root.geometry("500x400")

v = IntVar()

r1=Radiobutton(root,text='male',variable=v,value=1)
r1.pack()

r2=Radiobutton(root,text='female',variable=v,value=2)
r2.pack()

Button = Button(root, text = "Submit", command=clic)
Button.pack()

mainloop()
```

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The second method involves the use of the inbuilt option within the Radio Button called command.

```
from tkinter import *

def clic():
    value=v.get()
    print(value)

root=Tk()
root.geometry("500x400")

v = IntVar()

r1=Radiobutton(root,text='male',variable=v,value=1,command=clic)
r1.pack()

r2=Radiobutton(root,text='female',variable=v,value=2,command=clic)
r2.pack()

mainloop()
s
```