```
interact(fun,x=10) # we get a slide bar
# minimum is defined by x
# max is definde by 3 X

10
```

```
# lets check what we get when we pass boolean.
interact(fun,x=True) # we get check box
0.0s
```



1

```
# for text box :
    def fun(x):
        return x
    interact(fun, x='akhil')

x        akhil is python coder

'akhil is python coder'
```

```
# we can also make floating point slider :
interact(fun, x=(-5.0,5.3,.1))

x
0.10
```

0.099999999999964

```
# Drop down menu using list
interact(fun,x=['Hello','Akhil','Welcome'])

✓ 0.0s

x Hello
'Hello
'Akhil
Welcome
```

```
interact(fun,x={'key1':'Value 1','key2':'Value 2'}) # in drop down we have key (above)
# value is given below

v 0.0s

x key1
key1
'Value 1' key2
```

```
# working with interactive function :
 from IPython.display import display
 def f(a,b):
     display(a+b)
      return a+b
  0.0s
 w = interactive(f,a=10,b=30)
  0.0s
 # checking type
 type(w)
  0.0s
pywidgets.widgets.interaction.interactive
 w.children
 # the fist 2 are int sliders and output
 0.0s
IntSlider(value=10, description='a', max=30, min=-10),
IntSlider(value=30, description='b', max=90, min=-30),
Output(outputs=({'output_type': 'display_data', 'data': {'text/plain': '40'}, 'metadata': {}},)))
 # to display sliders
 display(w)
  0.0s
                                  10
                                  30
40
```