

```
In [1]: x = 5
if x < 10:
    print("smaller")
    if x > 20:
        print("Bigger")
    print("Finis")
```

smaller

```
In [9]: x = 5
if x == 5:
    print("Equals 5")
    if x >= 4 :
        print("Greater than 4")
    if x >= 5:
        print("Greater than or Equals 5")
    if x > 6:
        print("Less than 6")
    if x <= 5:
        print("Less than or Equals 5")
    if x != 6:
        print("Not equal 6")
```

Equals 5  
Greater than 4  
Greater than or Equals 5  
Less than or Equals 5  
Not equal 6

```
In [14]: x = 5
if x > 2:
    print("Bigger than 2")
    print("Still Bigger")
    print("Done with 2")
```

Bigger than 2  
Still Bigger  
Done with 2

```
In [17]: for i in range(5):
    print("i")
    if i > 2:
        print("Bigger than 2")
        print("Done with i" , i)
print("All Done")
```

i  
i  
i  
i  
Bigger than 2  
Done with i 3  
i  
Bigger than 2  
Done with i 4  
All Done

```
In [19]: x = 42
if x > 1:
    print("More than one")
    if x < 100:
        print("Less than 100")
    print("All Done")
```

More than one  
Less than 100  
All Done

```
In [21]: x = 4
if x > 2:
    print("Bigger")
else :
    print("Smaller")
    print("All Done")
```

Bigger

```
In [22]: if x < 2:
    print("Small")
elif x < 10:
    print("Medium")
else :
    print("Large")
    print("All Done")
```

Medium

```
In [23]: x = 0
if x < 2:
```

```
    print("Small")
elif x < 10:
    print("Medium")
else :
    print("Large")
    print("All Done")
```

Small

```
In [24]: x = 5
if x < 2:
    print("Small")
elif x < 10:
    print("Medium")
else :
    print("Large")
    print("All Done")
```

Medium

```
In [25]: x = 5
if x < 2:
    print("Small")
elif x < 10:
    print("Medium")
    print("All Done")
```

Medium

All Done

```
In [26]: if x < 2:
    print("Below 2")
elif x >= 2:
    print("two or more")
else :
    print("Something else")
```

two or more

```
In [5]: astr = "Hello Bob"
try:
    istr = int(astr)
except:
    istr = -1
    print("First", istr)
```

First -1

```
In [6]: astr = "123"
try:
    istr = int(astr)
except:
    istr = -1
    print("Second", istr)
```

```
In [7]: astr = "Bob"
try:
    print("Hello")
    istr = int(astr)
    print("There")
except:
    istr = -1
    print("Done", istr)
```

Hello

Done -1

```
In [1]: rawstr = input('Enter a number:')
ival = int(rawstr)
try:
    ival = -1
except:
    if ival > 0:
        print('Nice work')
    else:
        print('Not a number')
```

Enter a number:42

Not a number

```
In [6]: def thing():
    print("Hello")
    print("Fun")
thing()
print("Zip")
thing()
```

```
Hello
Fun
Zip
Hello
Fun
```

```
In [15]: big = max("Hello World")
print(big)
tiny = min("Hello world")
print (tiny)
```

```
r
```

```
In [20]: x = 5
print('Hello')
def print_lyrics():
    print("I'm a lumberjack, and I'm okay.")
    print('I sleep all night and I work all day.')
print("Yo")
x = x + 2
print(x)
```

```
Hello
Yo
7
```

```
In [21]: def greet(): return "Hello"
print (greet(), "Glenn")
print (greet(), "Sally")
```

```
Hello Glenn
Hello Sally
```

```
In [26]: def greet (lang):

    if lang == 'es':

        return 'Hola'
    elif lang == 'fr':
        return 'Bonjour'

    else:
        return 'Hello'
    print(greet('en'), 'Glenn')
    print(greet('es'), 'Sally')
print(greet('fr'), 'Michael')
```

```
Bonjour Michael
```

```
In [27]: def addtwo(a,b):
    added = a+b
    return added
x = addtwo(3,5)
print(x)
```

```
8
```

```
In [32]: def greet():
    return "Hello"
print(greet(),"Glenn")
print(greet(),"sally")
```

```
Hello Glenn
Hello sally
```

```
In [ ]:
```