

# Heading

## subtitle

### subtitle ¶

- points
- points
- points
- points

enter your text

#### **Bbld**

*italic*

***bold+italic***

- your text
  - hghjdh
    - jfdjfh
    - djfhgdh

## python

### introduction to python

- python is an interpreter ,highlevel language
- it is introduce by " guido van rossum"

### advantages

- easy to understand

- less code length

enter your text Rectangular Snip

**Bbld**

*italic*

***bold+italic***

- your text
  - hghjdh
    - jfdjfh
    - djfhgdh

## python

### introduction to python

enter your text Rectangular Snip

**Bbld**

*italic*

***bold+italic***

- your text
  - hghjdh
    - jfdjfh
    - djfhgdh

## python

### introduction to python

# Arithmetic operator

```
In [1]: 0+1
```

```
Out[1]: 1
```

```
In [2]: 0-1
```

```
Out[2]: -1
```

```
In [4]: 0*1
```

```
Out[4]: 0
```

```
In [5]: 0/1
```

```
Out[5]: 0.0
```

```
In [6]: 2**2
```

```
Out[6]: 4
```

```
In [7]: 2//2
```

```
Out[7]: 1
```

## assignment operator

```
In [19]: a=2  
         a==2
```

```
Out[19]: True
```

```
In [20]: a+=1
```

```
In [21]: a
```

```
Out[21]: 3
```

```
In [22]: a-=2
```

```
In [23]: a
```

```
Out[23]: 1
```

```
In [24]: a*=3
```

In [25]: a

Out[25]: 3

In [26]: a=3

In [27]: a

Out[27]: 3

In [28]: a/=3

In [29]: a

Out[29]: 1.0

In [30]: a//=4

In [31]: a

Out[31]: 0.0

## comparision operator

```
In [33]: a1=20
a2=100
print(a1==a2)
print(a1<=a2)
print(a1>=a2)
print(a1!=a2)
```

False  
True  
False  
True

## logical operator

```
In [35]: print(True and False)
print(True or True)
print(not False and not True)
```

False  
True  
False

# bitwise operator

In [37]: `2 & 3`

Out[37]: 2

In [39]: `2 | 3`

Out[39]: 3

In [40]: `2 | 6`

Out[40]: 6

In [41]: `7 | 7`

Out[41]: 7

In [42]: `~3`

Out[42]: -4

In [43]: `~2`

Out[43]: -3

In [44]: `~0`

Out[44]: -1

In [45]: `3^4`

Out[45]: 7

In [50]: `4>>2`

Out[50]: 1

In [51]: `26>>2`

Out[51]: 6

In [52]: `28>>2`

Out[52]: 7

In [53]: `2<<3`

Out[53]: 16

In [54]: `2<<4`

Out[54]: 32

## identity operator

In [56]: `True is False`

Out[56]: False

In [60]: `1 is 1`

Out[60]: True

In [61]: `2 is 1`

Out[61]: False

In [65]: `1 is not 1`

Out[65]: False

## membership operator

In [62]: `2 in [4,6,2]`

Out[62]: True

In [63]: `2 not in [4,7,6]`

Out[63]: True

enter your text

Rectangular Snip

**Bbld**

*italic*

***bold+italic***

- your text
  - hghjdh
    - jfdjfh
    - djfhgdh

# python

## introduction to python

### variables

In [68]: `a=12,34,66`

In [69]: `a`

Out[69]: (12, 34, 66)

In [70]: `type(a)`

Out[70]: tuple

In [71]: `a,b,c=1,3,2`

In [72]: `a`

Out[72]: 1

In [74]: `a=b=c=1`

In [75]: `a`

Out[75]: 1

```
In [76]: value={1,2,3,4}
         type(value)
```

```
Out[76]: set
```

```
In [77]: value=[1,2,3]
         type(value)
```

```
Out[77]: list
```

```
In [78]: value={1:2,2:1}
         type(value)
```

```
Out[78]: dict
```

```
In [79]: v=[]
         type(v)
```

```
Out[79]: list
```

```
In [81]: type(())
```

```
Out[81]: tuple
```

```
In [82]: type([])
```

```
Out[82]: list
```

```
In [83]: type({})
```

```
Out[83]: dict
```

## type conversion

```
In [85]: val="7"
         type(val)
```

```
Out[85]: str
```

```
In [86]: s="7"
         print(type(s))
```

```
<class 'str'>
```

```
In [87]: print(type(int(s)))
```

```
<class 'int'>
```



```
In [88]: s=55  
print(type(s))
```

```
<class 'int'>
```

```
In [89]: print(type(float(s)))
```

```
<class 'float'>
```

```
In [90]: s=1.0  
print(type(s))  
print(type(int(s)))
```

```
<class 'float'>  
<class 'int'>
```

```
In [93]: a=5 # static  
input("enter a value")
```

```
enter a value23
```

```
Out[93]: '23'
```

```
In [ ]: input
```