

## MARKDOWN Basics

```
* Bold...>** data **<br>
* Italic...> * data *<br>
* bold and italic...>*** data ***<br>
* *space is for moving given formate
* <br> is for break line<br>
```

**\*\* order \*\* give two line above spaces for starting new order list**

1. element1
2. element2

[jupyter logo \(juy.png\)](#)

this is for image adding



this is for image displaying

- ☐ option1
- ☐ option2

**\*\* for line parrell**

1. satheesh
2. rajesh

## Python Basics.....

### python version 3.7

- scripting language

```
In [1]: #comments
print("Hai satheesh")
```

Hai satheesh

```
In [4]: print("hai", end=" ")  
        print("satheesh")
```

hai satheesh

```
In [8]: a=2.1  
        b=2.1  
        type(a)  
        type(b)  
        print(id(a))  
        print(id(b))
```

1669389145384

1669389145216

## arithmetic

- +
- -

```
In [9]: n1=333  
        n1%11
```

Out[9]: 3

```
In [14]: print(type(n1))
```

```
a=20  
b=30  
a=a%2
```

<class 'int'>

```
In [15]: print(a)
```

0

```
In [20]: a=10**20  
        print(a)
```

100000000000000000000

```
In [19]: b**2  
        print(b)  
        print(type(b))
```

30

<class 'int'>

```
In [21]: if 30 < 40:
          print("True")
        else:
          print("False")
```

True

```
In [22]: a=111
        if a%2==0:
          print("even")
        else:
          print("odd")
```

odd

```
In [1]: n1=int(input("enter n1"))
        n2=int(input("enter n2"))
        n3=int(input("enter n3"))
        if n1>n2 and n1>n3:
          print("n1 is great")
        elif n2>n2:
          print("n2 is bigger")
        else:
          print("n3 big")
```

enter n11  
enter n22  
enter n33  
n3 big

```
In [2]: n1=int(input("enter n1"))
        n2=int(input("enter n2"))
        n2=int(input("enter n3"))
        if n1>n2 and n1>n3:
          print("n1 is great")
        elif n2>n2:
          print("n2 is bigger")
        else:
          print("n3 big")
```

enter n11  
enter n22  
enter n33  
n3 big

```
In [9]: n=int(input("enter year"))
        if (n%4==0) or (n%400==0 and n%100!=0):
          print("it is leap")
        else:
          print("not leap")
```

enter year2005  
not leap

```
In [13]: n=int(input("enter no"))
a=int(input("enter a"))
b=int(input("enter b"))
if n in range(a,b):
    print("yes")
else:
    print("no")
```

```
enter no4
enter a1
enter b6
yes
```

```
In [21]: #number of digits
n=input("enter no")
c=0
for i in n:
    if i.isdigit():
        c=c+1
print(c)
```

```
enter no2w2
2
```

```
In [32]: #multiple of 10
n=int(input("enter no"))
for i in range (1,11):
    print(n,"*",i,n*i)
```

```
enter no10
10 * 1 10
10 * 2 20
10 * 3 30
10 * 4 40
10 * 5 50
10 * 6 60
10 * 7 70
10 * 8 80
10 * 9 90
10 * 10 100
```

```
In [37]: #factor of 1000
n=int(input("enter no"))
if 1000%n==0:
    print("yes it is factor")
else:
    print("not factor")
```

```
enter no2
yes it is factor
```

```
In [40]: #multiple of 10
n=int(input("enter no"))
if 10%n==0:
    print("yes multipl 10")
else:
    print("not multiple 10")
```

```
enter no2
yes multipl 10
```

```
In [41]: n=10
n**0.5
```

```
Out[41]: 3.1622776601683795
```

```
In [44]: m=input("enter string")
n=int(input("enter no"))
if m==str(n):
    print("equal string and no")
else:
    print("not equal")
```

```
enter string123
enter no123
equal string and no
```

```
In [ ]:
```

```
In [ ]:
```