

# DAY3

Type casting is used to change data type of variable. eg:int to float:

```
In [25]: a=21
b=float(a)
print("a=",a,type(a))
print("b=",b,type(b))
print(b)
```

```
a= 21 <class 'int'>
b= 21.0 <class 'float'>
21.0
```

```
In [32]: s="123"
p=int(s)
print("s=",s,type(s))
print("p=",p,type(p))
print(p)
```

```
s= 123 <class 'str'>
p= 123 <class 'int'>
123
```

```
In [34]: b=25
c=str(b)
print("b=",b,type(b))
print("c=",c,type(c))
c
```

```
b= 25 <class 'int'>
c= 25 <class 'str'>
```

Out[34]: '25'

```
In [14]: x="3.14"
y=float(x)
print("x=",x,type(x))
print("y=",y,type(y))
print(y)
```

```
x= 3.14 <class 'str'>
y= 3.14 <class 'float'>
3.14
```

```
In [22]: int("abc")
```

```
-----
ValueError                                Traceback (most recent call last)
Cell In[22], line 1
----> 1 int("abc")

ValueError: invalid literal for int() with base 10: 'abc'
```

```
In [1]: int("123")
```

Out[1]: 123

```
In [16]: print('''create a multi line  
string in python''')
```

create a multi line  
string in python

```
In [17]: s="include a 'quote' inside a string"  
print(s)
```

include a 'quote' inside a string

```
In [18]: price="99.99"  
f=float(price)  
print(f)
```

99.99

```
In [19]: s="I\'m learning \"python\""  
print(s)
```

I'm learning "python"

raw string is used to give file path.

## DAY5

```
In [4]: srt="sachin ramesh tendulkar"  
print("The length of the dtring is:",len(srt))
```

The length of the dtring is: 23

```
In [5]: data="abcdefghijklmno"  
print(data[:4])
```

abcd

```
In [6]: print(data[-3:])
```

nop

```
In [7]: print(data[2:8])
```

cdefgh

```
In [10]: print(data[:20:2])
```

acegikmo

```
In [11]: print(data[::-1])
```

ponmlkjihgfedcba

```
In [13]: sentence="This is a long sentence"  
print(sentence[10:15])
```

long

```
In [21]: s="rohitsharma"  
for char in s:  
    print(char)
```

r  
o  
h  
i  
t  
s  
h  
a  
r  
m  
a

```
In [15]: for char in enumerate(s):  
         print(char)
```

(0, 'r')  
(1, 'o')  
(2, 'h')  
(3, 'i')  
(4, 't')  
(5, 's')  
(6, 'h')  
(7, 'a')  
(8, 'r')  
(9, 'm')  
(10, 'a')

```
In [16]: product="laptop"  
         price="60,000"  
         print(f"The {product} costs {price}")
```

The laptop costs 60,000

```
In [17]: name="vikas"  
         score=85  
         print(f"{name}'s score is {score}")
```

vikas's score is 85

```
In [19]: product="laptop"  
         price="60,000"  
         print("The {} costs {}".format(product,price))
```

The laptop costs 60,000

```
In [23]: a="viratkohli"  
         for index,i in enumerate(a):  
             print(f"index {index} : {i}")
```

index 0 : v  
index 1 : i  
index 2 : r  
index 3 : a  
index 4 : t  
index 5 : k  
index 6 : o  
index 7 : h  
index 8 : l  
index 9 : i

```
In [2]: for i in range(8,0,-1):  
         print(i)
```

8  
7  
6  
5  
4  
3  
2  
1

```
In [7]: a="hiworld"
        for i in range(len(a)-1,-1,-1):
            print(a[i])
```

d  
l  
r  
o  
w  
i  
h

```
In [ ]:
```

```
In [ ]:
```