converting int to string,float,boolean,complex

Type *Markdown* and LaTeX: α^2

In [6]:
```
a=10
print(a)
print(type(a))
#before conversion
b=str(a)
print(b)
print(type(b))
#after conversion
c=float(a)
print(c)
print(type(c))
d=bool(a)
print(d)
print(type(d))
e=complex(a)
print(e)
print(type(e))
```

```
10
<class 'int'>
10
<class 'str'>
10.0
<class 'float'>
True
<class 'bool'>
(10+0j)
<class 'complex'>
```

convert string to int,float,boolean,complex

In [18]:
```
a='10'
print(a)
print(type(a))
b=int(a)
print(b)
print(type(b))
c='ten'
print(c)
print(type(c))
d=str(a)
print(d)
print(type(d))
#cannot convert alphabets to integers,instead of give digits(0-9) to convert
e=float(a)
print(e)
print(type(e))
f=bool(a)
print(f)
print(type(f))
g=complex(a)
print(g)
print(type(g))
```

```
10
<class 'str'>
10
<class 'int'>
ten
<class 'str'>
10
<class 'str'>
10.0
<class 'float'>
True
<class 'bool'>
(10+0j)
<class 'complex'>
```

convert float to int,string,boolean,complex

In [20]:
```
a=10.0
print(a)
print(type(a))
b=int(a)
print(b)
print(type(b))
c=str(a)
print(c)
print(type(c))
d=bool(a)
print(d)
print(type(d))
e=complex(a)
print(e)
print(type(e))
```

```
10.0
<class 'float'>
10
<class 'int'>
10.0
<class 'str'>
True
<class 'bool'>
(10+0j)
<class 'complex'>
```

convert boolean to int,float,string,complex

In [25]:
```
a='TRUE'
print(a)
print(type(a))
b=int(a)
print(b)
print(type(b))
c=str(a)
print(c)
print(type(c))
d=float(a)
print(d)
print(type(d))
e=complex(a)
print(e)
print(type(e))
```

```
TRUE
<class 'str'>

---------------------------------------------------------------------------
ValueError                                Traceback (most recent call last)
~\AppData\Local\Temp/ipykernel_2788/1436646460.py in <module>
      2 print(a)
      3 print(type(a))
----> 4 b=int(a)
      5 print(b)
      6 print(type(b))

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

In [ ]:
```

```