jupyter Basic Python Last Checkpoint: 10 minutes ago (autosaved)

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Trusted Python 3

Run Code

In [1]:
```
print("Hello World")
```
```
Hello World
```

In [1]:
```
#Addition
print(5+3)
```
```
8
```

In [2]:
```
#Subtraction
print(5-3)
```
```
2
```

In [3]:
```
#Multiplication
print(5*3)
```
```
15
```

In [4]:
```
#Division
print(5/3)
```
```
1.6666666666666667
```

In [6]:
```
#Modulo
print(5%3)
```
```
2
```

In [7]:
```
#integer Division operator
print(5//3)
```
```
1
```

In [8]:
```
#Composite Expression
print (3 + 2 + 1 - 5 + 4 % 2 - 1 / 4 + 6)
```
```
6.75
```

In [9]:
```
#Brackets  two operands called binary operators
(5 + 3) * (3 - 4)
```
Out[9]:
```
-8
```

In [10]:
```
# Negation
- (5 + 3)
```
Out[10]:
```
-8
```

In [16]:
```
#Floating
5.0*3
```
Out[16]:
```
15.0
```

In [17]:
```
#Floating Point Exponential
5.0 ** 3
```
Out[17]:
```
125.0
```

In [18]:
```
#Floating Point Exponential
36 ** 0.5
```
Out[18]:
```
6.0
```

In [21]:
```
# To Provide the Python Type
type(5)
```
Out[21]:
```
int
```

In [22]:
```
#type is inbuilt function
type(5.0)
```

Out[22]: float

In [23]:
```
type(5.0**3)
```

Out[23]: float

In [24]:
```
float(5)
```

Out[24]: 5.0

In [28]:
```
a=float(5)
print(a)
print(type(float(5)))
```

```
5.0
<class 'float'>
```

In [29]:
```
int(5.9)
```

Out[29]: 5

In [30]:
```
type(int(5.9))
```

Out[30]: int

In [31]:
```
round(5.9)
```

Out[31]: 6

In [32]:
```
round(5.98765, 2)
```

Out[32]: 5.99

In [32]:
```
round(5.98765, 2)
```

Out[32]: 5.99

In [33]:
```
#useful function is abs, which takes one numerical argument and returns its absolute value.
abs(-5)
```

Out[33]: 5

In [35]:
```
print(abs(5))
print(abs(5.0))
```

```
5
5.0
```

In [36]:
```
#Scientfic Notation
5e1
```

Out[36]: 50.0

In [39]:
```
5e-1
```

Out[39]: 0.5

In [41]:
```
5e2
```

Out[41]: 500.0