



variables and operators

```
In [ ]: x=5  
        print(x)
```

```

Collecting Matplotlib
  Downloading matplotlib-3.10.5-cp311-cp311-win_amd64.whl.metadata (11 kB)
Collecting Seaborn
  Using cached seaborn-0.13.2-py3-none-any.whl.metadata (5.4 kB)
Collecting contourpy>=1.0.1 (from Matplotlib)
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Collecting cycler>=0.10 (from Matplotlib)
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Collecting fonttools>=4.22.0 (from Matplotlib)
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Collecting pillow>=8 (from Matplotlib)
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Using cached pyparsing-3.2.3-py3-none-any.whl (111 kB)
Installing collected packages: pyparsing, pillow, kiwisolver, fonttools, cycle
r, contourpy, Matplotlib, Seaborn
Successfully installed Matplotlib-3.10.5 Seaborn-0.13.2 contourpy-1.3.3 cycle
r-0.12.1 fonttools-4.59.0 kiwisolver-1.4.8 pillow-11.3.0 pyparsing-3.2.3
Note: you may need to restart the kernel to use updated packages.

```

```

[notice] A new release of pip is available: 24.0 -> 25.2
[notice] To update, run: C:\Users\Sharma Computer\AppData\Local\Microsoft\Wind
wsApps\PythonSoftwareFoundation.Python.3.11_qbz5n2kfra8p0\python.exe -m pip ins
tall --upgrade pip

```

```

In [2]: x=4
        y=3
        print(x+y)

```

7

```

In [3]: print(4+3)

```

7

```
In [4]: print("my Name IS LOVELY DEHAR")
```

my Name IS LOVELY DEHAR

```
In [1]: x=2
        print(x)
        print(type(x))
```

2
<class 'int'>

```
In [5]: y=4.5
        print(type(y))
```

<class 'float'>

```
In [7]: z=2+5j
        print(z)
        print(type(z))
```

(2+5j)
<class 'complex'>

```
In [1]: a="hello world"
        print(a)
        print(type(a))
```

hello world
<class 'str'>

```
In [11]: list=[1,12,23,32,45,34,545,3,3]
         print(list)
```

[1, 12, 23, 32, 45, 34, 545, 3, 3]

```
In [12]: tuple=(1,12,23,32,45,34,545,3,3)
         print(tuple)
```

(1, 12, 23, 32, 45, 34, 545, 3, 3)

```
In [13]: %whos
```

Variable	Type	Data/Info
a	str	papa hu mai papa
list	list	n=9
tuple	tuple	n=9
x	int	2
y	float	4.5
z	complex	(2+5j)

operaters

addition

```
In [4]: a=5  
        b=2  
        print(a+b)
```

7

```
In [15]: d=12  
         f=2.32  
         print(a+b)
```

7

```
In [18]: ab="hello "  
         bc="Guys"  
         print(ab+bc)
```

hello Guys

division

```
In [ ]: ad=5  
        bd=4  
        print(ad*bd)
```

```
In [21]: print(2/1)
```

2.0

```
In [24]: exopent=89749832  
         print(exopent**2)
```

8055032344028224

subtraction

```
In [1]: x=5  
        y=2  
        print(x-y)
```

3

division

```
In [5]: x=12  
        y=2  
        print(x/y)
```

6.0

```
In [ ]:
```