

```
In [1]: a = 27
b = 123
print(a+b)
print(a-b)
print(a*b)
```

```
150
-96
3321
```

```
In [3]: name = input("Enter your name: ")
age = input("Enter your age: ")
print(f"your name is {name} and your age is {age}")
```

```
Enter your name: wert
Enter your age: 12
your name is wert and your age is 12
```

```
In [4]: a = input("Enter a number: ")
b = input("Enter a number: ")
print(a>b)
```

```
Enter a number: 32
Enter a number: 43
False
```

```
In [5]: c=20
b=15
a=200
c>b and c>a
```

```
Out[5]: False
```

```
In [6]: x = 1
y = not x
print(y)
```

```
False
```

```
In [7]: a = 200
b = 575
c = 400
print(a>b and a<=c or b>c)
```

```
True
```

4-1-2025

```
In [1]: a = "machine leaning"  
a[1]
```

```
Out[1]: 'a'
```

```
In [2]: a[0:7]
```

```
Out[2]: 'machine'
```

```
In [3]: a[0:9:2]
```

```
Out[3]: 'mciel'
```

```
In [4]: a[0:9:-1]
```

```
Out[4]: ''
```

```
In [5]: a[9:4:-1]
```

```
Out[5]: 'el en'
```

```
In [6]: a[14:4:-1]
```

```
Out[6]: 'gninael en'
```

```
In [7]: b= "Deep Learning"  
b.lower()
```

```
Out[7]: 'deep learning'
```

```
In [8]: b.upper()
```

```
Out[8]: 'DEEP LEARNING'
```

```
In [9]: b.split()
```

```
Out[9]: ['Deep', 'Learning']
```

```
In [ ]: b.replace
```

```
In [ ]: #6-1-2025
```

```
In [5]: metrics = ["Accuracy", "precision", "Recall", "F1Score", 'AUC_Roc_Score']
```

```
In [6]: metrics[0:]
```

```
Out[6]: ['Accuracy', 'precision', 'Recall', 'F1Score', 'AUC_Roc_Score']
```

```
In [7]: metrics[0:4:3]
```

```
Out[7]: ['Accuracy', 'F1Score']
```

```
In [9]: List = [1, 2,3 ,4,"ArithmeticError","hello","hi",["a","b"],[1,2],2,2]
```

```
In [10]: List.extend([2,"ji"])
List
```

```
Out[10]: [1,
          2,
          3,
          4,
          'ArithmeticError',
          'hello',
          'hi',
          ['a', 'b'],
          [1, 2],
          2,
          2,
          2,
          'ji']
```

```
In [ ]: #7-1-2025
```

```
In [1]: abc = (1, 2,"price", (1, 2, 4,3))
abc
```

```
Out[1]: (1, 2, 'price', (1, 2, 4, 3))
```

```
In [2]: abc.discard(2)
```

```
-----
AttributeError                                Traceback (most recent call last)
~\AppData\Local\Temp\ipykernel_12780\3844831675.py in <module>
----> 1 abc.discard(2)
```

```
AttributeError: 'tuple' object has no attribute 'discard'
```

```
In [3]: s = {1, 2,"price", (1, 2, 4,3)}
s.discard(2)
```

```
In [4]: s = {1,2,3,4,5,6}
        s.discard(100)
```

```
In [5]: s.remove(100)
```

```
-----
KeyError                                Traceback (most recent call last)
~\AppData\Local\Temp\ipykernel_12780\3715772337.py in <module>
----> 1 s.remove(100)

KeyError: 100
```

```
In [ ]:
```