

```
In [1]: tuple = (1,2,54,4,5,6,3,67)
print(tuple)

(1, 2, 54, 4, 5, 6, 3, 67)
```

```
In [2]: tuple = (1,1,2,2,3,4,23,5,3)
print(tuple)

(1, 1, 2, 2, 3, 4, 23, 5, 3)
```

```
In [3]: tuple = (13,3,24,35,675,76,8,98,0,1)
for i in tuple:
    print(i, end=" ")

13 3 24 35 675 76 8 98 0 1
```

```
In [4]: tuple = (1,2,32,43,54,67,89,9,32)
index = 0
while index<len(tuple):
    print(tuple[index])
    index+=1

1
2
32
43
54
67
89
9
32
```

```
In [5]: tuple = (1, "Pratik", [1, 2, 3], {1,5,4})
print(tuple)

(1, 'Pratik', [1, 2, 3], {1, 4, 5})
```

```
In [6]: tuple = (1, "Pratik", [1, 2, 3], {1,5,4})
for i in tuple:
    print(i)

1
Pratik
[1, 2, 3]
{1, 4, 5}
```

```
In [7]: tuple = (1, "Pratik", [1, 2, 3], {1,5,4})
print(tuple[1])
print(tuple[3])

Pratik
{1, 4, 5}
```

```
In [8]: tuple = (1, "Pratik", [1, 2, 3], {1,5,4})
print(type(tuple))

<class 'tuple'>
```

```
In [9]: tup = ("Hi there!")
print(type(tup))

<class 'str'>
```

```
In [10]: tup = "hello world!"
print(capitalise.tup)

-----
NameError                                Traceback (most recent call last)
C:\Users\PRATIK~1\AppData\Local\Temp\ipykernel_17344\2428408278.py in <module>
      1 tup = "hello world!"
----> 2 print(capitalise.tup)

NameError: name 'capitalise' is not defined
```

```
In [11]: tup = "hello world!"
print(capitalize.tup)

-----
NameError                                Traceback (most recent call last)
C:\Users\PRATIK~1\AppData\Local\Temp\ipykernel_17344\563496422.py in <module>
      1 tup = "hello world!"
----> 2 print(capitalize.tup)

NameError: name 'capitalize' is not defined
```

```
In [12]: tup = "hello world!"
print(tup.capitalize)

<built-in method capitalize of str object at 0x000020F61A28430>
```

```
In [13]: tup = "hello world!"
print(tup.capitalize())

Hello world!
```

```
In [14]: tup = "hello world!"
print(type(tup))

<class 'str'>
```

```
In [15]: tup = "hello world!",
print(type(tup))

<class 'tuple'>
```

```
In [16]: tup = "Superman", 3.4, 312
print(tup)

('Superman', 3.4, 312)
```

```
In [17]: tup = "Superman", 3.4, 312
a, b, c = tup
print(a)
print(b)
print(c)

Superman
3.4
312
```

```
In [19]: tup = "perman", 3.4, 312
a, b = tup
print(type(a))
print(type(b))

-----
ValueError                                Traceback (most recent call last)
C:\Users\PRATIK~1\AppData\Local\Temp\ipykernel_17344\1181220372.py in <module>
      1 tup = "perman", 3.4, 312
----> 2 a, b = tup
      3 print(type(a))
      4 print(type(b))

ValueError: too many values to unpack (expected 2)
```

```
In [20]: tup = ('b', 'a', 't', 'm', 'a', 'n')
print(tup[0])
print(tup[3])

b
m
```

```
In [21]: tup = ('b', 'a', 't', 'm', 'a', 'n')
print(tup[0][3])

-----
IndexError                                Traceback (most recent call last)
C:\Users\PRATIK~1\AppData\Local\Temp\ipykernel_17344\2230228119.py in <module>
      1 tup = ('b', 'a', 't', 'm', 'a', 'n')
----> 2 print(tup[0][3])

IndexError: string index out of range
```

```
In [22]: tup = "Superman", 3.4, 312
print(tup[0][0:-1])

Superma
```

```
In [23]: tup = "Superman", 3.4, 312
print(tup[0][2:])

perman
```

```
In [24]: tup = "Superman", 3.4, 312
del tup[0]
print(tup)

-----
TypeError                                Traceback (most recent call last)
C:\Users\PRATIK~1\AppData\Local\Temp\ipykernel_17344\1480004336.py in <module>
      1 tup = "Superman", 3.4, 312
----> 2 del tup[0]
      3 print(tup)

TypeError: 'tuple' object doesn't support item deletion
```

```
In [25]: tup = "Superman", 3.4, 312
```

```
print('man' in tup)
```

False

```
In [26]: tup = "Superman", 3.4, 312  
print('3.4' in tup)
```

False

```
In [27]: tup = "Superman", 3.4, 312  
print("Superman" in tup)
```

True

```
In [28]: tup = "Superman", 3.4, 312  
print(312 in tup)
```

True

```
In [ ]:
```