



Tuples

```
In [3]: my_tuple=(1,2,3,4)
        print(my_tuple)
        print(type(my_tuple))
```

```
(1, 2, 3, 4)
<class 'tuple'>
```

```
In [4]: my_tuple=(1,"hello",1.2,(4+5j))
        print(my_tuple)
```

```
(1, 'hello', 1.2, (4+5j))
```

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

```
()
nested tuple
```

```
In [6]: a=("data",[1,2,3],[3,4,5])
        print(a)
```

```
('data', [1, 2, 3], (3, 4, 5))
```

```
In [9]: var1=("hello")
        print(var1)
        print(type(var1))
```

```
hello
<class 'str'>
```

```
In [8]: var2=("hello",)
        print(var2)
        print(type(var2))
```

```
('hello',)
<class 'tuple'>
```

```
In [13]: a=tuple(("a","b","c"))
        print(a)
```

```
('a', 'b', 'c')
```

```
In [14]: a=(0,1,2,3,4,5,6)
        print(a[4])
```

```
4
```

```
In [16]: tuple_=(1,2,3,4,"news","feminism","python")
        print(tuple_[-1])
```

```
python
```

Slicing

```
In [18]: print(tuple_[1:6])  
(2, 3, 4, 'news', 'feminism')
```

```
In [19]: print(tuple_[0:6:2])  
(1, 3, 'news')  
  
reverse
```

```
In [25]: print(tuple_[::-1])  
( 'python', 'feminism', 'news', 4, 3, 2, 1)
```

```
In [30]: print(tuple_[:])  
print(tuple_[:2])  
print(tuple_[4:])  
print(tuple_[-2:-6])  
  
(1, 2, 3, 4, 'news', 'feminism', 'python')  
(1, 3, 'news', 'python')  
( 'news', 'feminism', 'python')  
( )
```

```
In [39]: a=(1,2,3,4,5)  
y=list(a)  
y.append(9)  
a=tuple(y)  
print(a)  
  
(1, 2, 3, 4, 5, 9)  
  
delete
```

```
In [44]: tuple=(1,2,3)  
for i in tuple:  
    print(i)  
  
1  
2  
3
```

```
In [45]: tuple1=(11,12,13,14)  
tuple2=(15,16,17,18)  
tuple_=tuple1+tuple2  
print(tuple_)  
  
(11, 12, 13, 14, 15, 16, 17, 18)
```

```
In [47]: tuple1=(11,12,13,14)  
  
print(tuple_*2)  
  
(11, 12, 13, 14, 15, 16, 17, 18, 11, 12, 13, 14, 15, 16, 17, 18)
```

```
In [48]: tuple1=(11,12,13,14)
```

```
print(tuple_*3)
print(tuple1+tuple1+tuple1)
print(len(tuple_))
```

```
(11, 12, 13, 14, 15, 16, 17, 18, 11, 12, 13, 14, 15, 16, 17, 18, 11, 12, 13, 1
4, 15, 16, 17, 18)
(11, 12, 13, 14, 11, 12, 13, 14, 11, 12, 13, 14)
8
```

```
In [55]: t=()
i=0
while i<5:
    num=int(input("Enter List items"))
    t=t+(num,)
    i=i+1
print(t)
```

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

```
In [ ]:
```