

Lecture 18

Tuple in python part 2

Indexing

```
In [2]: my_tuple = ('apple', 'banana', 'cherry', 'date')
print(my_tuple[0])
print(my_tuple[2])
```

apple
cherry

Negative indexing

```
In [3]: my_tuple = ('apple', 'banana', 'cherry', 'date')
print(my_tuple[-1])
print(my_tuple[-3])
```

date
banana

Slicing in tuple

```
In [4]: my_tup = ('a', 'b', 'c', 'd', 'e')
print(my_tup[1:4])
```

('b', 'c', 'd')

```
In [5]: my_tup = ('a', 'b', 'c', 'd', 'e')
print(my_tup[:4])
```

('a', 'b', 'c', 'd')

```
In [6]: my_tup = ('a', 'b', 'c', 'd', 'e')
print(my_tup[:])
```

('a', 'b', 'c', 'd', 'e')

```
In [7]: my_tup = ('a', 'b', 'c', 'd', 'e')  
  
print(my_tup[::2])  
  
( 'a', 'c', 'e')
```

Slicing - negative indexing

```
In [9]: tup2 = ('apple', 'banana', 'cherry', 'date')  
print(tup2[:-3])  
  
print(tup2[-3:])  
  
( 'apple', )  
( 'banana', 'cherry', 'date')
```

reversing the tuple

```
In [11]: a = (45,21,31,14,16,28,97,69)  
print(a[::-1])  
  
(69, 97, 28, 16, 14, 31, 21, 45)
```

```
In [ ]: T = (1,2,3,4,5,6,7,8)  
  
print(T[::-1])  
print(T[3:])  
print(T[:4])  
print(T[-2:-5])
```

Duplicates are allowed in tuple

```
In [12]: a = (12,14,15,12,14,53,14,15,89)  
print(a)  
  
(12, 14, 15, 12, 14, 53, 14, 15, 89)
```

Methods of tuples

count method

```
In [13]: a = (12,14,15,12,14,53,14,15,89)
print(a.count(12))
```

2

```
In [15]: b = ('swati','nishant','ayush','bhawesh', 'swati','ayush','swati')
print(b.count('swati'))
print(b.count('nishant'))
```

3

1

index

```
In [17]: b = ('swati','nishant','ayush','bhawesh', 'swati','ayush','swati')
print(b.index('swati'))
print(b.index('ayush'))
```

0

2

```
In [ ]:
```