10-tuples

March 6, 2023

1 Creating a Tuple

```
[1]: newfruits = ("fig", "banana", "lemon")
     print(newfruits)
```

```
('fig', 'banana', 'lemon')
```

```
[2]: newfruits = ("fig", "banana", "lemon", "banana")
     print(newfruits)
```

```
('fig', 'banana', 'lemon', 'banana')
```

```
[3]: print(len(newfruits))
```

```
4
```

```
[4]: newfruit1 = ("banana")
     newfruit2 = ("banana",)
     print(type(newfruit1))
     print(type(newfruit2))
```

```
<class 'str'>
<class 'tuple'>
```

```
[5]: fruits_t = ("banana", "cherry", "apple")
     numbers_t = (1 , 2, 3)
     boolean_t = (True, False, True)

     print(fruits_t)
     print(numbers_t)
     print(boolean_t)
```

```
('banana', 'cherry', 'apple')
(1, 2, 3)
(True, False, True)
```

```
[6]: mix_t = ("hi", True, 4)
     print(mix_t)
```

```
('hi', True, 4)
```

```python
[8]: #another way of creating a tupe
     new_f = tuple(("banana", "appale", "fig"))
     print(new_f)
```

('banana', 'appale', 'fig')

```python
[10]: print(new_f[0])
      print(new_f[1])
```

banana
appale

```python
[11]: print(new_f[-1])
      print(new_f[-2])
```

fig
appale

```python
[12]: print(new_f[1:])
```

('appale', 'fig')

```python
[13]: fruits = ("apple", "banana", "fig", "cherry")
      if "banana" in fruits:
          print("Yes, banana is in fruits")
```

Yes, banana is in fruits

```python
[14]: #change and updating items
      #convert to list then revert to tuple
      fruits_1 = list(fruits)
      fruits_1[1]="watermelon"
      fruits = tuple(fruits_1)
      print(fruits)
```

('apple', 'watermelon', 'fig', 'cherry')

```python
[ ]:
```