

Ques. What is Tuples?

- Tuples are used to store multiple items in a single variable.
- A tuple is a collection which is **ordered** and **unchangeable** and **allow duplicate** values.
- Tuples are written with **round()** brackets.
- A tuple can contain different data types.

```
thistuple = ("apple", "banana", "abc", 34, True, 40, "male")
print(thistuple)
```

Tuple Length

- To determine how many items a tuple has, use the **len()** function

```
thistuple = tuple(("apple", "banana", "cherry"))
print(len(thistuple))
```

Output:- 3

Ques. Create Tuple With One Item?

- We have to add a comma after the item, otherwise Python will not recognize it as a tuple.

```
thistuple = ("apple",)
print(type(thistuple))
```

```
#NOT a tuple
thistuple = ("apple")
print(type(thistuple))
```

Output:-

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

tuple() Constructor?

```
thistuple = tuple(("apple", "banana", "cherry"))
print(thistuple)
```

Output:- ('apple', 'banana', 'cherry')