# Python | Convert a list into a tuple

Difficulty Level : Basic     •     Last Updated : 22 Jul, 2019

Given a list, write a Python program to convert the given list into a tuple.

**Examples:**

```
Input : ['a', 'b', 'c']
Output : ('a', 'b', 'c')
```

**Approach #1 :** Using tuple(list_name).

Typecasting to tuple can be done by simply using tuple(list_name).

```python
# Python3 program to convert a
# list into a tuple
def convert(list):
    return tuple(list)

# Driver function
list = [1, 2, 3, 4]
print(convert(list))
```

**Output:**

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

## Approach #2 :

A small variation to the above approach is to use a loop inside `tuple()` .

```python
# Python3 program to convert a
# list into a tuple
def convert(list):
    return tuple(i for i in list)

# Driver function
list = [1, 2, 3, 4]
print(convert(list))
```

**Output:**

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

## Approach #3 : Using `(*list, )`

This essentially unpacks the list l inside a tuple literal which is created due to the presence of the single comma (, ). This approach is a bit faster but suffers from readability.

```
# Driver function
list = [1, 2, 3, 4]
print(convert(list))
```

**Output:**

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

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**Article Contributed By :**

**Smitha Dinesh Semwal**
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