



# TUPLE

- Methods & Examples -

# TUPLE

## Q. What is Tuple?

- Similar to a list, but it is immutable, meaning its elements cannot be changed after creation.
- It is represented by items enclosed in parentheses ().
- Example - Storing RGB values of a color: `color = (255, 0, 0)`

## Q. What methods are available for Python tuples?

- Below are the available methods for tuples,
  - 1) `count(element)`: Returns the number of occurrences of a specified element in the tuple.
  - 2) `index(element)`: Returns the index of the first occurrence of a specified element in the tuple.



First, let's convert our cartoon characters to Tuple.

## Cartoon Characters



Turtle



Rabbit



Unicorn



## Tuple

```
cartoon_characters = ('Turtle', 'Rabbit', 'Unicorn')
```

# index()

- Returns the index of the specified element in the tuple.

## Cartoon Characters



Turtle



Rabbit



Unicorn

1



## Code

```
# tuple containing cartoon characters
cartoon_characters = ('Turtle', 'Rabbit', 'Unicorn')
print("Tuple:", cartoon_characters)

# index of 'Unicorn' in vowels
index_of_unicorn = cartoon_characters.index('Unicorn')

print("Index of Unicorn:", index_of_unicorn)
```

## Output

Tuple: ('Turtle', 'Rabbit', 'Unicorn')

Index of Unicorn: 2

2



# count()

- Returns the number of times the specified element appears in the tuple.

## Cartoon Characters



Turtle



Rabbit



Unicorn



Rabbit

1



## Code

```
# tuple containing cartoon characters
cartoon_characters = ('Turtle', 'Rabbit', 'Unicorn',
                     'Rabbit')
print("Tuple:", cartoon_characters)

# counts the number of times Rabbit appeared in the tuple
count_of_rabbit = cartoon_characters.count('Rabbit')

print("Count of Rabbit:", count_of_rabbit)
```



2

## Output

Tuple: ('Turtle', 'Rabbit', 'Unicorn', 'Rabbit')

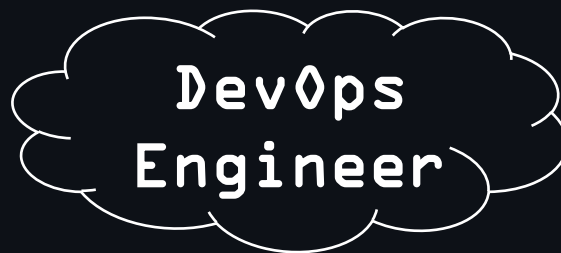
Count of Rabbit: 2





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