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python™

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.

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

Cartoon Characters

Turtle

Rabbit

Unicorn

Tuple

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

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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)
```

2

Output

```
Tuple: ('Turtle', 'Rabbit', 'Unicorn')
Index of Unicorn: 2
```

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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)
```

Output

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

Count of Rabbit: 2

2

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