**Python Tuple [ 33 exercises with solution]**

[*An editor is available at the bottom of the page to write and execute the scripts.*]

**1.** Write a Python program to create a tuple. [Go to the editor](https://www.w3resource.com/python-exercises/tuple/#EDITOR)

[Click me to see the sample solution](https://www.w3resource.com/python-exercises/tuple/python-tuple-exercise-1.php)

**2.** Write a Python program to create a tuple with different data types. [Go to the editor](https://www.w3resource.com/python-exercises/tuple/#EDITOR)

[Click me to see the sample solution](https://www.w3resource.com/python-exercises/tuple/python-tuple-exercise-2.php)

**3.** Write a Python program to create a tuple with numbers and print one item. [Go to the editor](https://www.w3resource.com/python-exercises/tuple/#EDITOR)

[Click me to see the sample solution](https://www.w3resource.com/python-exercises/tuple/python-tuple-exercise-3.php)

**4.** Write a Python program to unpack a tuple in several variables. [Go to the editor](https://www.w3resource.com/python-exercises/tuple/#EDITOR)

[Click me to see the sample solution](https://www.w3resource.com/python-exercises/tuple/python-tuple-exercise-4.php)

**5.** Write a Python program to add an item in a tuple. [Go to the editor](https://www.w3resource.com/python-exercises/tuple/#EDITOR)

[Click me to see the sample solution](https://www.w3resource.com/python-exercises/tuple/python-tuple-exercise-5.php)

**6.** Write a Python program to convert a tuple to a string. [Go to the editor](https://www.w3resource.com/python-exercises/tuple/#EDITOR)

[Click me to see the sample solution](https://www.w3resource.com/python-exercises/tuple/python-tuple-exercise-6.php)

**7.** Write a Python program to get the 4th element and 4th element from last of a tuple. [Go to the editor](https://www.w3resource.com/python-exercises/tuple/#EDITOR)

[Click me to see the sample solution](https://www.w3resource.com/python-exercises/tuple/python-tuple-exercise-7.php)

**8.** Write a Python program to create the colon of a tuple. [Go to the editor](https://www.w3resource.com/python-exercises/tuple/#EDITOR)

[Click me to see the sample solution](https://www.w3resource.com/python-exercises/tuple/python-tuple-exercise-8.php)

**9.** Write a Python program to find the repeated items of a tuple. [Go to the editor](https://www.w3resource.com/python-exercises/tuple/#EDITOR)

[Click me to see the sample solution](https://www.w3resource.com/python-exercises/tuple/python-tuple-exercise-9.php)

**10.** Write a Python program to check whether an element exists within a tuple. [Go to the editor](https://www.w3resource.com/python-exercises/tuple/#EDITOR)

[Click me to see the sample solution](https://www.w3resource.com/python-exercises/tuple/python-tuple-exercise-10.php)

**11.** Write a Python program to convert a list to a tuple. [Go to the editor](https://www.w3resource.com/python-exercises/tuple/#EDITOR)

[Click me to see the sample solution](https://www.w3resource.com/python-exercises/tuple/python-tuple-exercise-11.php)

**12.** Write a Python program to remove an item from a tuple. [Go to the editor](https://www.w3resource.com/python-exercises/tuple/#EDITOR)

[Click me to see the sample solution](https://www.w3resource.com/python-exercises/tuple/python-tuple-exercise-12.php)

**13.** Write a Python program to slice a tuple. [Go to the editor](https://www.w3resource.com/python-exercises/tuple/#EDITOR)

[Click me to see the sample solution](https://www.w3resource.com/python-exercises/tuple/python-tuple-exercise-13.php)

**14.** Write a Python program to find the index of an item of a tuple. [Go to the editor](https://www.w3resource.com/python-exercises/tuple/#EDITOR)

[Click me to see the sample solution](https://www.w3resource.com/python-exercises/tuple/python-tuple-exercise-14.php)

**15.** Write a Python program to find the length of a tuple. [Go to the editor](https://www.w3resource.com/python-exercises/tuple/#EDITOR)

[Click me to see the sample solution](https://www.w3resource.com/python-exercises/tuple/python-tuple-exercise-15.php)

**16.** Write a Python program to convert a tuple to a dictionary. [Go to the editor](https://www.w3resource.com/python-exercises/tuple/#EDITOR)

[Click me to see the sample solution](https://www.w3resource.com/python-exercises/tuple/python-tuple-exercise-16.php)

**17.** Write a Python program to unzip a list of tuples into individual lists. [Go to the editor](https://www.w3resource.com/python-exercises/tuple/#EDITOR)

[Click me to see the sample solution](https://www.w3resource.com/python-exercises/tuple/python-tuple-exercise-17.php)

**18.** Write a Python program to reverse a tuple. [Go to the editor](https://www.w3resource.com/python-exercises/tuple/#EDITOR)

[Click me to see the sample solution](https://www.w3resource.com/python-exercises/tuple/python-tuple-exercise-18.php)

**19.** Write a Python program to convert a list of tuples into a dictionary. [Go to the editor](https://www.w3resource.com/python-exercises/tuple/#EDITOR)

[Click me to see the sample solution](https://www.w3resource.com/python-exercises/tuple/python-tuple-exercise-19.php)

**20.** Write a Python program to print a tuple with string formatting. [Go to the editor](https://www.w3resource.com/python-exercises/tuple/#EDITOR)  
Sample tuple : (100, 200, 300)  
Output : This is a tuple (100, 200, 300)

[Click me to see the sample solution](https://www.w3resource.com/python-exercises/tuple/python-tuple-exercise-20.php)

**21.** Write a Python program to replace last value of tuples in a list. [Go to the editor](https://www.w3resource.com/python-exercises/tuple/#EDITOR)  
Sample list: [(10, 20, 40), (40, 50, 60), (70, 80, 90)]  
Expected Output: [(10, 20, 100), (40, 50, 100), (70, 80, 100)]

[Click me to see the sample solution](https://www.w3resource.com/python-exercises/tuple/python-tuple-exercise-21.php)

**22.** Write a Python program to remove an empty tuple(s) from a list of tuples. [Go to the editor](https://www.w3resource.com/python-exercises/tuple/#EDITOR)  
Sample data: [(), (), ('',), ('a', 'b'), ('a', 'b', 'c'), ('d')]  
Expected output: [('',), ('a', 'b'), ('a', 'b', 'c'), 'd']

[Click me to see the sample solution](https://www.w3resource.com/python-exercises/tuple/python-tuple-exercise-22.php)

**23.** Write a Python program to sort a tuple by its float element. [Go to the editor](https://www.w3resource.com/python-exercises/tuple/#EDITOR)  
Sample data: [('item1', '12.20'), ('item2', '15.10'), ('item3', '24.5')]  
Expected Output: [('item3', '24.5'), ('item2', '15.10'), ('item1', '12.20')]  
[Click me to see the sample solution](https://www.w3resource.com/python-exercises/tuple/python-tuple-exercise-23.php)

**24.** Write a Python program to count the elements in a list until an element is a tuple. [Go to the editor](https://www.w3resource.com/python-exercises/tuple/#EDITOR)  
[Click me to see the sample solution](https://www.w3resource.com/python-exercises/tuple/python-tuple-exercise-24.php)

**25.** Write a Python program convert a given string list to a tuple. [Go to the editor](https://www.w3resource.com/python-exercises/tuple/#EDITOR)  
Original string: python 3.0  
<class 'str'>  
Convert the said string to a tuple:  
('p', 'y', 't', 'h', 'o', 'n', '3', '.', '0')  
<class 'tuple'>

[Click me to see the sample solution](https://www.w3resource.com/python-exercises/tuple/python-tuple-exercise-25.php)

**26.** Write a Python program calculate the product, multiplying all the numbers of a given tuple. [Go to the editor](https://www.w3resource.com/python-exercises/tuple/#EDITOR)  
Original Tuple:  
(4, 3, 2, 2, -1, 18)  
Product - multiplying all the numbers of the said tuple: -864  
Original Tuple:   
(2, 4, 8, 8, 3, 2, 9)  
Product - multiplying all the numbers of the said tuple: 27648

[Click me to see the sample solution](https://www.w3resource.com/python-exercises/tuple/python-tuple-exercise-26.php)

**27.** Write a Python program to calculate the average value of the numbers in a given tuple of tuples. [Go to the editor](https://www.w3resource.com/python-exercises/tuple/#EDITOR)  
Original Tuple:  
((10, 10, 10, 12), (30, 45, 56, 45), (81, 80, 39, 32), (1, 2, 3, 4))  
Average value of the numbers of the said tuple of tuples:  
[30.5, 34.25, 27.0, 23.25]  
Original Tuple:   
((1, 1, -5), (30, -15, 56), (81, -60, -39), (-10, 2, 3))  
Average value of the numbers of the said tuple of tuples:  
[25.5, -18.0, 3.75]/

[Click me to see the sample solution](https://www.w3resource.com/python-exercises/tuple/python-tuple-exercise-27.php)

**28.** Write a Python program to convert a tuple of string values to a tuple of integer values. [Go to the editor](https://www.w3resource.com/python-exercises/tuple/#EDITOR)  
Original tuple values:  
(('333', '33'), ('1416', '55'))  
New tuple values:  
((333, 33), (1416, 55))

[Click me to see the sample solution](https://www.w3resource.com/python-exercises/tuple/python-tuple-exercise-28.php)

**29.** Write a Python program to convert a given tuple of positive integers into an integer. [Go to the editor](https://www.w3resource.com/python-exercises/tuple/#EDITOR)  
Original tuple:   
(1, 2, 3)  
Convert the said tuple of positive integers into an integer:  
123  
Original tuple:  
(10, 20, 40, 5, 70)  
Convert the said tuple of positive integers into an integer:  
102040570

[Click me to see the sample solution](https://www.w3resource.com/python-exercises/tuple/python-tuple-exercise-29.php)

**30.** Write a Python program to check if a specified element presents in a tuple of tuples. [Go to the editor](https://www.w3resource.com/python-exercises/tuple/#EDITOR)  
Original list:  
(('Red', 'White', 'Blue'), ('Green', 'Pink', 'Purple'), ('Orange', 'Yellow', 'Lime'))  
Check if White presenet in said tuple of tuples!  
True  
Check if White presenet in said tuple of tuples!  
True  
Check if Olive presenet in said tuple of tuples!  
False

[Click me to see the sample solution](https://www.w3resource.com/python-exercises/tuple/python-tuple-exercise-30.php)

**31.** Write a Python program to compute element-wise sum of given tuples. [Go to the editor](https://www.w3resource.com/python-exercises/tuple/#EDITOR)  
Original lists:  
(1, 2, 3, 4)  
(3, 5, 2, 1)  
(2, 2, 3, 1)  
Element-wise sum of the said tuples:  
(6, 9, 8, 6)

[Click me to see the sample solution](https://www.w3resource.com/python-exercises/tuple/python-tuple-exercise-31.php)

**32.** Write a Python program to compute the sum of all the elements of each tuple stored inside a list of tuples. [Go to the editor](https://www.w3resource.com/python-exercises/tuple/#EDITOR)  
Original list of tuples:  
[(1, 2), (2, 3), (3, 4)]  
Sum of all the elements of each tuple stored inside the said list of tuples:  
[3, 5, 7]  
Original list of tuples:  
[(1, 2, 6), (2, 3, -6), (3, 4), (2, 2, 2, 2)]  
Sum of all the elements of each tuple stored inside the said list of tuples:  
[9, -1, 7, 8]

[Click me to see the sample solution](https://www.w3resource.com/python-exercises/tuple/python-tuple-exercise-32.php)

**33.** Write a Python program to convert a given list of tuples to a list of lists. [Go to the editor](https://www.w3resource.com/python-exercises/tuple/#EDITOR)  
Original list of tuples: [(1, 2), (2, 3), (3, 4)]  
Convert the said list of tuples to a list of lists: [[1, 2], [2, 3], [3, 4]]  
Original list of tuples: [(1, 2), (2, 3, 5), (3, 4), (2, 3, 4, 2)]  
Convert the said list of tuples to a list of lists: [[1, 2], [2, 3, 5], [3, 4], [2, 3, 4, 2]]

[Click me to see the sample solution](https://www.w3resource.com/python-exercises/tuple/python-tuple-exercise-33.php)