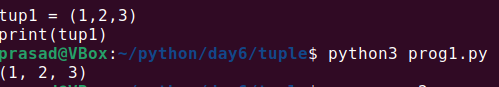
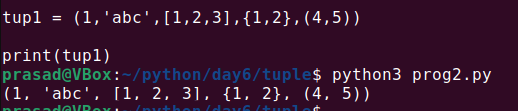
TUPLE ASSIGNMENT

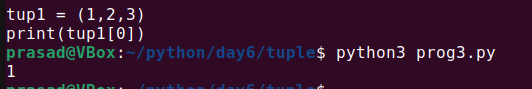
1. Write a Python program to create a tuple.



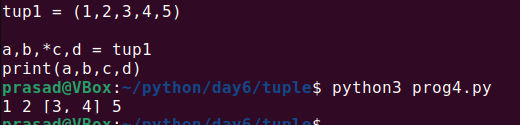
2. Write a Python program to create a tuple with different data types.



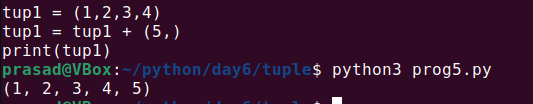
3. Write a Python program to create a tuple of numbers and print one item.



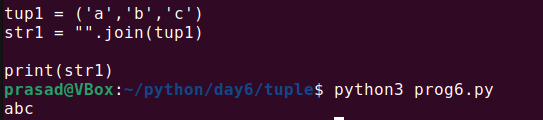
4. Write a Python program to unpack a tuple into several variables.



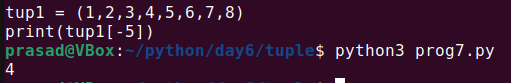
5. Write a Python program to add an item to a tuple.



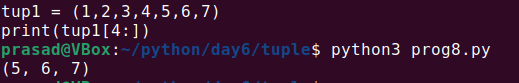
6. Write a Python program to convert a tuple to a string.



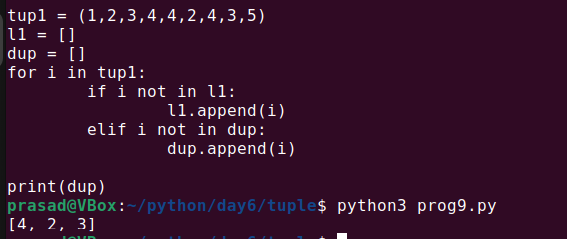
7. Write a Python program to get the 4th element from the last element of a tuple.



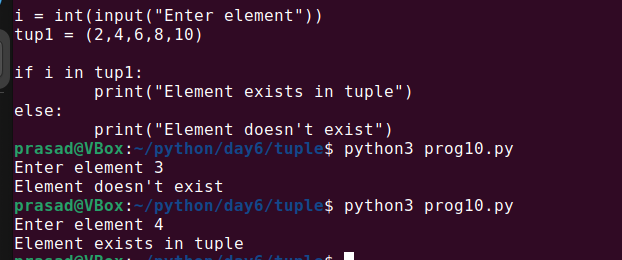
8. Write a Python program to create the colon of a tuple.



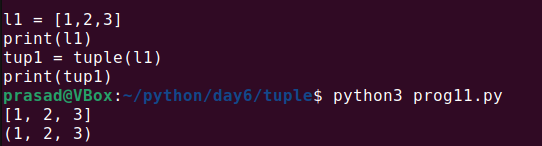
9. Write a Python program to find repeated items in a tuple.



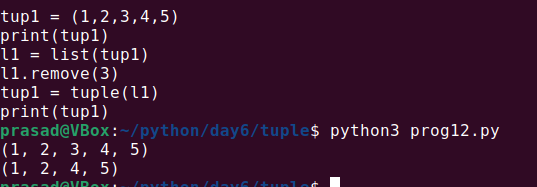
10. Write a Python program to check whether an element exists within a tuple.



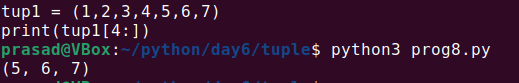
11. Write a Python program to convert a list to a tuple.



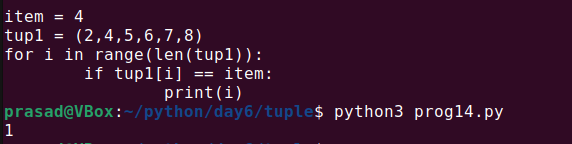
12. Write a Python program to remove an item from a tuple.



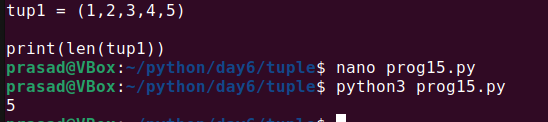
13. Write a Python program to slice a tuple.



14. Write a Python program to find the index of an item in a tuple.



15. Write a Python program to find the length of a tuple.



27. Write a Python program to calculate the average value of the numbers in a given tuple of tuples.

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]

28. Write a Python program to convert a tuple of string values to a tuple of integer values.

Original tuple values:

(('333', '33'), ('1416', '55'))

New tuple values:

((333, 33), (1416, 55))

29. Write a Python program to convert a given tuple of positive integers into an integer.

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

30. Write a Python program to check if a specified element appears in a tuple of tuples.

Original list:

(('Red', 'White', 'Blue'), ('Green', 'Pink', 'Purple'), ('Orange', 'Yellow', 'Lime'))

Check if White presenet in said tuple of tuples!

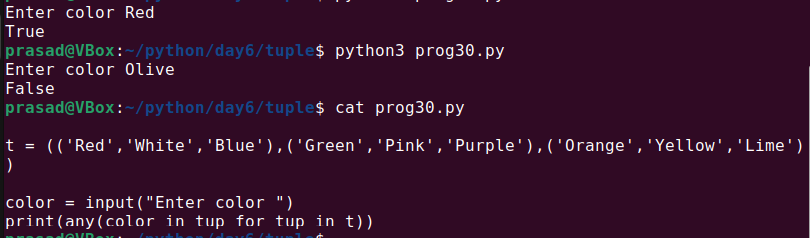
True

Check if White presenet in said tuple of tuples!

True

Check if Olive presenet in said tuple of tuples!

False



31. Write a Python program to compute the element-wise sum of given tuples.

Original lists:

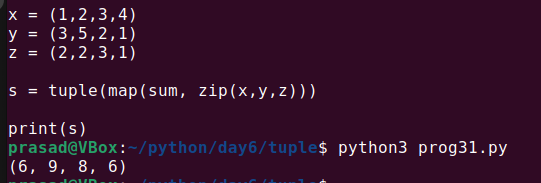
(1, 2, 3, 4)

(3, 5, 2, 1)

(2, 2, 3, 1)

Element-wise sum of the said tuples:

(6, 9, 8, 6)



32. Write a Python program to compute the sum of all the elements of each tuple stored inside a list of tuples.

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:

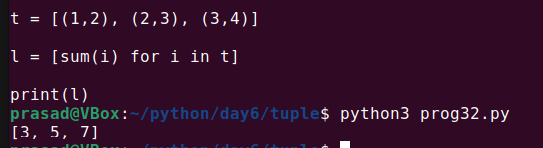
[3, 5, 7]

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]



33. Write a Python program to convert a given list of tuples to a list of lists.

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]]

