Assignment-5 (Tuple)

1. Create a tuple with different data and create an empty tuple using built-in function.
2. Print the 3rd element from beginning and 4th element from end of a tuple.
3. Count the number of items present in a tuple and then add two new items into it (one item using concatenation operator and another item using built-in function).
4. Find the number of occurrences for any repeated item present in a tuple.
5. Display the elements present in a tuple which are at the even position.
6. Remove the elements of a tuple which are present in the odd index position.
7. Remove the odd number elements from a tuple.
8. Reverse the elements of a tuple by using and without using a built-in function.
9. Sort the elements present in a tuple in descending order.
10. Take a tuple of mixed data types and find the square of each element.
11. Given few numbers in a tuple, return *'True'* if the first and last numbers are same.
12. Print only those elements present in a tuple which are divisible by 5.
13. Given a tuple of numbers, create another tuple such that it contains only the even numbers of the first tuple.
14. Display the largest number of a tuple without using the built-in function *max()*. The user need to input the values in tuple from the keyboard.
15. Replace the last value of the tuple with 100.

    Sample list: [(1, 2, 3), (4, 5, 6), (7, 8, 9)] Output: [(1, 2, 100), (4, 5, 100), (7, 8, 100)]
16. Sort a tuple by its float element. Sample data: [('item1', '12.20'), ('item2', '15.10'), ('item3', '24.5')] Output: [('item3', '24.5'), ('item2', '15.10'), ('item1', '12.20')]
17. Count the number of elements in a tuple until an element is a list.
18. Swap the two tuples: tuple1 = (11, 22) tuple2 = (99, 88)
    Output: tuple1 = (99, 88) tuple2 = (11, 22)