

1. Check if a String is a Palindrome

Input: madam

Output: palindrome

2. Find the Maximum Product of Two Integers in a List

Input: [1, 10, 2, 6, 5]

Output: 60

3. Find the First Non-Repeating Character

Input: "swiss"

Output: 'w'

4. Merge Two Sorted Lists

Input: [1, 3, 5] and [2, 4, 6]

Output: [1, 2, 3, 4, 5, 6]

5. How do you swap two numbers without using third variable in Python?

Input: 5 and 10

Output: 10 and 5

6. Write a Python program to check whether a given number is prime or not.

Input: 7

Output: prime number

7. Given an array containing n-1 integers in the range of 1 to n, find the missing number.

Input: [1, 2, 4, 5, 6]

Output: 3

8. Write a Python program to check if two given strings are anagrams.

Input: "listen" and "silent"

Output: anagram

9. Python program to interchange first and last elements in a list

Input: [1, 2, 3, 4]

Output: [4, 2, 3, 1]

10. Write a Python program to implement a recursive function for calculating the factorial of a number.

Input: 5

Output: 120

11. Write a Python program to implement a function for finding the common substring in two strings.

Input: "abcde" and "zabcf"

Output: "abc"

12. Python Program to Reverse a Number

Input: 1234

Output: 4321

13. Python Program to Split the Even and Odd elements into two different lists

Input: [1, 2, 3, 4, 5, 6]

Output: [2, 4, 6] and [1, 3, 5]

14. Pattern printing

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15. Python program to right rotate a list by n

Input: n = 2, List1 = [1, 2, 3, 4, 5, 6]

Output: List1 = [5, 6, 1, 2, 3, 4]

16. Python program to sort tuple last elements in List:

Input : a = [(5, 2), (1, 1), (4, 3), (2, 4), (3, 0)]

Output : [(3, 0), (1, 1), (5, 2), (4, 3), (2, 4)]