

- # Write a program to add two complex numbers  $a = 5 + 2j$  and  $b = 1 - 9j$ , and print the result
- # Combine the strings "Hello," and "World!" to create a single greeting and print it. The content should be "Line 1", "Line 2", "Line 3" for a separate program.
- # Given the word "Knowledge" and "Programming", print the first and last half of the word.
- # Use string slicing to reverse the string "Racecar"
- # Create a list named colors containing "red", "green", "blue", and "yellow". Then, print the element at index 2.
- # Given the list numbers = [10, 20, 30, 40, 50, 60], print the elements from index 1 up to index 4 (not including)
- # Change the second element of the list fruits = ["apple", "banana", "cherry"] to "orange" and print the updated list.
- # Add the number 100 to the end of the list  
data = [10, 20, 30]  
and print the modified list
- # Remove the elements at index 1 and 2 from the list  
animals = ["cat", "dog", "elephant", "fish"]  
using slicing and print the resulting list

# Find and print the numbers of elements in the list  
items = ["pen", "pencil", "book", "eraser"]

# Code the fibonacci sequence to print numbers up to 50

# Use a while loop to print numbers from 1 to 7

# Write a while loop that iterates from 1 to 15. For each number, if divisible by 3, print 'Fizz'; if divisible by 5, print 'Buzz'. If divisible by both 3 and 5, print "Fizzbuzz". Otherwise print the number itself.

↓  
after learning  
conditional statements

# Use a while loop to print numbers from 5 to 1