Python List Practice Questions

Below are 20 Python list practice questions for students. These questions cover list creation, access, methods, and operations.

1. Create a list of 5 integers and print them.

Li = [1,2,3,4,5]

Print(li)

1. Create a list of strings and print each element using a for loop.

Str = (“gai” , “ria” ,”sia”)

For I in str

Print(i)

1. Find the length of a given list using len().

Str = (“gai” , “ria” ,”sia”)

Print(len()str)

1. Access the 2nd and 4th elements from a list.

A = [1,2,3,5,8,9]

Print(a[2] , a[5])

1. Create a list of numbers and print a sublist from index 1 to 3.

Li = [1,2,3,4,5,6,7,8]

Print(li[1:4])

1. Add a new element at the end of a list using append().

Li = [1,2,3,4,5,6,7,8]

li.append(10)

print(li)

1. Insert an element at the 2nd position using insert().

Li = [1,2,3,4,5,6,7,8]

li.insert(10)

print(li)

1. Add multiple elements to a list using extend().

Li = [1,2,3,4,5,6,7,8]

li.extend([10,20,34,35,77])

print(li)

1. Remove a specific element from a list using remove().

Li = [1,2,3,4,5,6,7,8]

li.remove(1)

print(li)

1. Remove the last element of a list using pop().

Li = [1,2,3,4,5,6,7,8]

Print(li.pop())

1. Sort a list of numbers in ascending order using sort().

Li = [1,25,4,0,6,7,8]

li.sort()

print(li)

1. Reverse a list using reverse().

Li = [1,25,4,0,6,7,8]

li.reverse()

print(li)

1. Count how many times a specific element appears in a list using count().

A = [1,2,3,3,3,3,5,8,9]

Print(a.count(2))

1. Find the index of an element using index().

letters = ['x', 'y', 'z']

print(letters.index('y'))

1. Copy a list into another list using copy().

original = [10, 20, 30]

copied = original.copy()

print(copied)

1. Clear all elements from a list using clear().

A = [1,2,3,4,6,7]

Print(a.clear())

1. Use list comprehension to create a list of squares from 1 to 10.

A = [z\*\*2 for I in range(1,11)]

Print(a)

1. Create a nested list (list inside a list) and access an element from the inner list.

nested = [[1, 2], [3, 4], [5, 6]]

print(nested[1][0])

1. Check if a particular element exists in a list using the 'in' operator.

animals = ['cat', 'dog', 'rabbit']

print('dog' in animals)

1. Write a program to take 5 numbers from the user, store them in a list, and print the sum of all numbers.

numbers = []

for i in range(5):

num = int(input("Enter a number: "))

numbers.append(num)

print("Sum:", sum(numbers))