Python List Practice Questions

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

numbers = [10, 20, 30, 40, 50]

print(numbers)

O/p : [10, 20, 30, 40, 50]

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

fruits = ["mango","apple", "banana", "grapes", "orange"]

for f in fruits:

   print(f)

O/p : mango

     apple

     banana

     grapes

     orange

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

We can use len() function.

Example :

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

print(len(items))

O/p : 5

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

my_list = [5, 10, 15, 20, 25]

print(my_list[1])

print(my_list[3])

O/p : 10

   20

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

num = [5, 10, 15, 20, 25]

print(num[1:4])

O/p : [10, 15, 20]

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

num = [1, 2]

num.append(3)

print(num)

O/p : [1, 2, 3]

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

colors = ["red", "blue", "green"]

colors.insert(1, "yellow")

print(colors)

O/p : ['red', 'yellow', 'blue', 'green']

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

my_list = [1, 2]

my_list.extend([3, 4, 5])

print(my_list)

O/p : [1, 2, 3, 4, 5]

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

colors = ["black", "red", "brown"]

colors.remove("red")

print(colors)

O/p : ['black', 'brown']

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

cars = ["Audi", "BMW", "Bentley","Hyundai"]

cars.pop()

print(cars)

O/p : ['Audi', 'BMW', 'Bentley']

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

num = [100,1,500,24,50, 20, 90, 70]

num.sort()

print(num)

O/p : [1, 20, 24, 50, 70, 90, 100, 500]

12.) Reverse a list using reverse().

even = [2,4,6,8,10]

even.reverse()

print(even)

O/p : [10, 8, 6, 4, 2]

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

nums = [1, 2, 2, 3, 2, 4,4,8,2,6,7,2,4,8]

print(nums.count(2))

O/p : 5

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

names = ["Arun", "Joe", "Clara","Tom","Jerry"]

print(names.index("Tom"))

O/p : 3

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

original = [10, 20, 30]

copy_list = original.copy()

print(copy_list)

O/p : [10, 20, 30]

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

a = [1, 2, 3]

a.clear()

print(a)

O/p : []

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

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

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

print(my_list[1][0])

O/p : 3

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

colors = ["black","red", "blue", "green","brown"]

print("blue" in colors)

O/p : True

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