Python List Practice Questions

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

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

print(numbers) ->1,2,3,4,5

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

fruits=[“mango”,”apple”,”orange”,”kiwi”]

for fruit in fruits:

print(fruit)

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

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

print(len(list)) ->output=5

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

numbers=[100,200,300,400,500]

print("the 2nd element is:",numbers[1])

print("the 3rd element is:",numbers[3])

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

list\_nums=[1 ,5,10,15,20,25]

print(list\_nums[1:4])

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

colors=[“pink”,”blue”,”yellow”,”black”]

colors\_app=colors.append(“red”)

print(colors)

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

fruits=[“mango”,”apple”,”orange”,”kiwi”]

fruits.insert(1,”banana”)

print(fruits)

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

list\_nums=[1,2,3]

list\_nums.extend([4,5,6,7,8])

print(list\_nums)

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

subjects=[“maths”,”bio”,”chem”,”phy”,”hindi”]

subjects.remove(“chem”)

print(subjects)

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

names=[“abhi”,”bhumi”,”esha”,harini”]

names.pop()

print(names)

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

numbers=[30,50,80,-3,-6,10,90]

numbers.sort()

print(numbers)

12. Reverse a list using reverse().

age=[ 34,23,56,78,12]

age.reverse()

print(age)

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

colors=[“pink”,’red” ,”black” ,”red” ,”blue” ,”pink” ,”blue”]

print(colors.count(“pink”))

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

names=[“abhi”, “esha” ,”bhumika” ,”vibha”]

names.index(“bhumika”)

print(names)

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

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

copy\_list=original.copy()

print(copy\_list)

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

items=[1,2,3,4,5,6,7,8,9,10]

items.clear()

print(items)

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.

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

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

print(30 in numbers) -> True

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