**Day-4 Evening Assessment**

**Python List Practice Questions**

1.numbers = [10, 20, 30, 40, 50]  
print(numbers)

o/p: [10, 20, 30, 40, 50]  
  
2. fruits = ["apple", "banana", "cherry", "mango"]  
for fruit in fruits:  
   print(fruit)

o/p:

apple

banana

cherry

mango  
  
3. items = [1, 2, 3, 4, 5]  
print(len(items))

o/p: 5

4. data = [10, 20, 30, 40, 50]  
print(data[1])    
print(data[3])

o/p:

20

40  
  
5.nums = [5, 10, 15, 20, 25]  
print(nums[1:4])

o/p: [10, 15, 20]  
  
6. colors = ["red", "green", "blue"]  
colors.append("yellow")  
print(colors)

o/p: ['red', 'green', 'blue', 'yellow']  
  
7. marks = [90, 80, 70]  
marks.insert(1, 85)  
print(marks)

o/p: [90, 85, 80, 70]

8. animals = ["dog", "cat"]  
animals.extend(["cow", "goat"])  
print(animals)

o/p: ['dog', 'cat', 'cow', 'goat']  
  
9. names = ["amitha", "vidya", "sravya"]  
names.remove("sravya")  
print(names)

o/p: ['amitha', 'vidya']  
  
10. scores = [100, 90, 80]  
scores.pop()  
print(scores)

o/p: [100, 90]  
  
11. nums = [40, 10, 30, 20]  
nums.sort()  
print(nums)

o/p: [10, 20, 30, 40]  
  
12. days = ["Mon", "Tue", "Wed"]  
days.reverse()  
print(days)

o/p: ['Wed', 'Tue', 'Mon']  
  
13. letters = ["a", "b", "a", "c", "a"]  
print(letters.count("a"))

o/p: 3  
  
14. cities = ["Bangalore", "Kochi", "Hyderabad"]  
print(cities.index("Bangalore"))

o/p: 0  
  
15. original = [1, 2, 3]  
copied = original.copy()  
print(copied)

o/p: [1, 2, 3]  
  
16. items = [10, 20, 30]  
items.clear()  
print(items)

o/p:[]  
  
17. squares = [x\*\*2 for x in range(1, 11)]  
print(squares)

o/p: [1, 4, 9, 16, 25, 36, 49, 64, 81, 100]  
  
18. nested = [[1, 2], [3, 4], [5, 6]]  
print(nested[1][0])

o/p: 3  
  
19. names = ["John", "Mike", "Sara"]  
print("Mike" in names)

o/p: True  
  
20. numbers = []  
for i in range(5):  
   num = int(input(f"Enter number {i+1}: "))  
   numbers.append(num)  
print("Sum:", sum(numbers))

o/p:

Enter number 1: 5

Enter number 2: 6

Enter number 3: 7

Enter number 4: 8

Enter number 5: 9

Sum: 35