
	Selvam College Of Technology, Namakkal (Autonomous) IT Support & Development Training Programme (ISDTP)		
Worksheet - 4 (List)			
Bundle & Subject Name	Intermediate Bundle V2 (2025) - Python Programming V2	Semester	IV

Answer Key

1. Which of the following describes a collection that is ordered and changeable?

- A) Tuple B) List C) Set D) Strings

Ans: B) List

2. What is the position or index of the first element in a sequence?

- A) -1 B) 0 C) 1 D) 2

Ans: B) 0

3. How is a list written in Python?

- A) Within parentheses B) Within curly braces
C) Within square brackets D) Within angle brackets

Ans: C) Within square brackets

4. What is the correct syntax to update the third item in the list list1 = ["lion", "tiger", "cheetah"] to "panther"?

- A) list1[2] = "panther" B) list1[3] = "panther"
C) list1[1] = "panther" D) list1[0] = "panther"

Ans: A) list1[2] = "panther"

5. What does slicing a list allow you to do?

- A) Access a single element by its position
B) Add new elements to the list
C) Extract a portion of the list based on a range of indices
D) Remove elements from the list

Ans: C) Extract a portion of the list based on a range of indices

6. Which operator can be used to check if an element exists in a list?

- A) in B) exists
C) contains D) has

Ans: A) in

7. How do you remove the last element of a list in Python?

- A) del list1[0] B) del list1[-1]
C) list1 = list1[1:] D) list1.remove()

Ans: B) del list1[-1]

8. list1 = [1, 3, 2], What is list1 * 2?

- A) [2, 6, 4] B) [1, 3, 2, 1, 3]
C) [1, 3, 2, 1, 3, 2] D) [1, 3, 2, 3, 2, 1]

Ans: C. [1, 3, 2, 1, 3, 2]

9. Which function is used to find the smallest value in a sequence?

- A) min() B) max() C) sum() D) sorted()

Ans: A) min()

10. Which of the following would convert a tuple to a list?

- A) tuple(list) B) list(tuple)
C) sum(tuple) D) sorted(tuple)

Ans: B) list(tuple)