
	Selvam College Of Technology, Namakkal (Autonomous) IT Support & Development Training Programme (ISDTP)		
Worksheet – 7 (Tuple-1)			
Bundle & Subject Name	Intermediate Bundle V2 (2025) - Python Programming V2	Semester	IV

Answer key

1. Which of the following is a key characteristic of a tuple?

- A) Changeable and allows duplicates
- B) Unordered and immutable
- C) Ordered and unchangeable
- D) Mutable and sorted

Ans: C) Ordered and unchangeable

2. How are tuples written in Python?

- A) Using square brackets []
- B) Using curly brackets { }
- C) Using round brackets ()
- D) Using angle brackets < >

Ans: C) Using round brackets ()

3. What is the index of the first element in a tuple?

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

Ans: B) 0

4. What is the purpose of the len() method when used with a tuple?

- A) To remove items from the tuple
- B) To count the number of items in the tuple
- C) To find the largest item in the tuple
- D) To add more items to the tuple

Ans: B) To count the number of items in the tuple

5. Which of the following is not a tuple?

- A) tuple([5])
- B) (5,)
- C) (5)
- D) 5,

Ans: C) (5)

6. Which method is used to count the occurrences of a value in a tuple?

- A) len()
- B) sum()
- C) count()
- D) index()

Ans: C) count()

7. Which of the following is the correct syntax for slicing a sequence?

- A) sequence[start:stop:step]
- B) sequence[start, stop, step]
- C) sequence[start->stop->step]
- D) sequence[start;stop;step]

Ans: A) sequence[start:stop:step]

8. What will the max() function return when applied to a list of numbers?

- A) Sum of all numbers
- B) First number in the list
- C) Largest number in the list
- D) Number of items in the list

Ans: C) The largest number in the list

9. Which of the following will return True if the number 5 is in the list [1, 2, 5, 3]?

- A) 5 in [1, 2, 5, 3]
- B) 5 not in [1, 2, 5, 3]
- C) 5 == [1, 2, 5, 3]
- D) 5 is [1, 2, 5, 3]

Ans: A) 5 in [1, 2, 5, 3]

10. Which of the following can be sorted using the sorted() function in Python?

- A) Only integers
- B) Only strings
- C) Lists, tuples, and strings
- D) Only lists

Ans: C) Lists, tuples, and strings