

# Python Online test

## 1. PYTHON FUNDAMENTALS & DATA TYPES

1. B. [1, 2, 3, 4]
2. D.
3. False (no interning in lists)
4. C. {2, 3}
5. B. is checks identity; == checks value
6. A. [[1], [2]]
7. A. Raises an exception

## 2. OOP (ADVANCED)

8. B.
9. C.
10. B. ( $D \rightarrow C \rightarrow B \rightarrow A$ )
11. B. Reduce memory footprint by removing dict instance
12. B.
13. A. --add--
14. ~~XXXXXX~~

## 3. FUNCTIONAL PROGRAMMING

15. C. 12 (will treat it as 'a string')
16. B.
17. C. Combination
18. A.
19. B. 1 2 3 1



## 4. Generators & Iterators

20. B.

21.

22. B.

## 5. Context managers & decorators

23. C. Both --enter-- and --exit--

24. C. Before 'Hello'

25. A. Decorator with parameters

## 6. FILE I/O

26. ~~A. json.loads requires file~~ B. Missing quotes around key

27. A. pandas.read\_csv(chunksize=)

28. B. ~~if you want to read a file~~

29.

## 7. Concurrency

29.

30. D. Nothing by default

31. B. await asyncio.sleep()

32. C. I/O-bound task

33.

34.

8. networking, requests & fastapi

- 35. D. POST
- 36. B. Raise exception for 4xx/5xx
- 37.
- 38. C. Pydantic
- 39. C. Unicorn
- 40. C. JSON

9.

- 41.
- 42. B.
- 43. B.
- 44. C.
- 45.

10. Advanced Python

- 46. A. the decorated functions metadata
- 47. B. Assignment expression inside expressions
- 48.
- 49. B. Decimal
- 50. A. they are interned & reused