

1. What is Python? What are the benefits of using Python?
2. What is pickling and unpickling
3. How Python is interpreted
4. How memory is managed in Python?
5. What are the tools that help to find bugs or perform static analysis?
6. What are Python decorators?
7. What are Python closures?
8. What is the importance of @property decorator
9. What is the difference between list and tuple?
10. What is Dict and List comprehensions are?
11. What are the built-in type does python provides?
12. What is namespace in Python?
13. What is lambda in Python?
14. Why lambda forms in python does not have statements?
15. What is pass in Python?
16. In Python what are iterators?
17. In Python what is slicing?
18. What is docstring in Python?
19. How can you copy an object in Python?
20. What is negative index in Python
21. How you can convert a number to a string?
22. What is module and package in Python?
23. Mention what are the rules for local and global variables in Python?
24. How can you share global variables across modules?
25. What feature of oops is not available out of the box in python?
26. Explain how can you make a Python Script executable on Unix?
27. Explain how to delete a file in Python?
28. Explain how can you generate random numbers in Python?
29. Name five builtin modules in python?
30. What is the importance of OS module?
31. What is the importance of SYS module?
32. List two errors commonly found?
33. What is the hierarchy of mathematical variables?
34. Mention the use of the split function in Python?
35. Name your favourite IDE and explain its features?