**PYTHON INTERVIEW QUESTIONS**

1. What is Python?
2. Is Python an interpreter language? If yes, explain why?
3. What is difference between interpreter & compiler?
4. What is data? Data types in python?
5. What is list? Give an example for that?
6. What is dictionary? Give an example for that?
7. What is tuple? Give an example for that?
8. What is the difference between the mutable & immutable variables? Give a single example for each of them to demonstrate?
9. What is difference between tuple & list?
10. How can we mutate the list?
11. What is the difference between append() & insert() while mutating the list?
12. What is the difference between pop() & pop(index) in python?
13. How can you mutate the dictionary in python? Give an example?
14. Write nested dictionaries for electronics product?
15. Write a list of dictionaries?
16. What are logical operators? How many are there?
17. What is the difference between the logical and & logical or?
18. What are membership operators? How many are they?
19. What is the difference between in and not in operators?
20. What is the difference between == and != operators?
21. What are conditional statements in python? Write a syntax & simple example?
22. Write a program to demonstrate the if-else conditions?
23. Write if-else-if-else ladder with a simple example?
24. Write a program to demonstrate how nested conditions work in python?
25. What is indentation in python? What is importance of its in python? Explain it with an example?
26. What is error? How many types of error in python?
27. Write an example each to demonstrate the system error, name error & key error?
28. What is loop & how many types of loops are there in python?
29. Write an example for forloop using list?
30. Write an example for forloop using str, dictionary & tuple?