

**Data Types:**

1. What are the primitive data types in Python?
2. Explain the difference between mutable and immutable data types in Python.
3. How do you convert one data type to another in Python?
4. What is the difference between list and tuple data types?
5. What are the string escape sequences in Python?

**Operators:**

6. What is the difference between the `is` and `==` operators in Python?
7. Explain the concept of operator precedence and associativity.
8. How do you perform exponentiation in Python?
9. What is the use of the ternary operator in Python?
10. How do you concatenate strings in Python?

**Conditional Statements:**

11. What are the different types of conditional statements in Python?
12. Explain the usage of the `if-elif-else` statement in Python.
13. How do you use logical operators (`and`, `or`, `not`) in conditional statements?
14. What is the difference between `==` and `is` in conditional statements?
15. How do you nest conditional statements in Python?

**Looping Statements:**

16. What is the difference between `for` and `while` loops in Python?
17. Explain the usage of the `range()` function in loops.
18. How do you terminate a loop prematurely using a control statement?
19. What is the purpose of the `continue` statement in loops?
20. How do you iterate over elements of a list using a loop?