1. What is Python, and why is it popular?
Python is a programming language that is easy to read and write. It is popular because it is beginner-friendly, used in many fields like web development and data science, and has many built-in tools.

2. What is an interpreter in Python?
An interpreter reads Python code line by line and runs it. If there is an error, it shows the error and stops.

3. What are pre-defined keywords in Python?
Keywords are special words that Python uses, like if, else, while. You cannot use them as variable names.

4. Can keywords be used as variable names?
No, you cannot use keywords as variable names.

5. What is mutability in Python?
Mutability means changeable. If something is mutable, we can change it after creating it.

6. Why are lists mutable, but tuples are immutable?
Lists can be changed (mutable), but tuples cannot be changed (immutable) after creation. This is how Python is designed.

7. What is the difference between '==' and 'is' operators in Python?
'==' checks if values are the same. 'is' checks if they are the same object in memory.

8. What are logical operators in Python?
Logical operators are used to make decisions: and (both true), or (any one true), not (reverses result).

9. What is type casting in Python?
Type casting means changing one data type to another, like string to int.

10. What is the difference between implicit and explicit type casting?
Implicit is automatic type change by Python. Explicit is when we manually change type using int(), str(), etc.

11. What is the purpose of conditional statements in Python?
They help make decisions in code, using if, else, etc.

12. How does the elif statement work?
elif means 'else if'. It checks another condition if the first if is false.

13. What is the difference between for and while loops?
for loop runs a fixed number of times. while loop runs while a condition is true.

14. Describe a scenario where a while loop is more suitable than a for loop.
If we don't know how many times to run, like asking for correct password, we use a while loop.