

1.1 Answer in one word:

1. Which translate and execute program code line by line?

Answer: Interpreter

2. Who directs the operation of the processor?

Answer: Control Unit

3. Booting is performed by _____.

Answer: Bootstrap Loader

4. CPU is hardware or software?

Answer: Hardware

5. Which translate whole program into an object code?

Answer: Compiler

6. To speed up the programming process, _____ type of languages was developed.

Answer: High-level

7. Variable of class is termed as _____.

Answer: Attribute

8. _____ language has similar capabilities like Java and is object oriented too.

Answer: C++

9. Which type of software tool checks for the syntax error in program?

Answer: Debugger

10. In program development steps, First and foremost is to know the _____ of the program.

Answer: Requirements

2.2 What I Understand About Python

Python is a **high-level**, simple, and easy-to-learn programming language. It is popular because its code looks like normal English, making it beginner-friendly. Unlike other languages that need complex rules, Python keeps things clean and readable.

Python is used for many things, like making websites, analyzing data, building apps, and even creating AI programs. It has many ready-made tools (called libraries) that make coding easier. For example, Django helps in web development, Pandas is great for data analysis, and TensorFlow is used in AI.

One great thing about Python is that it works on different computers without changing the code. It also has a big community of people who help each other by sharing knowledge and fixing problems. Because of its simplicity, flexibility, and power, Python is used by students, developers, and even big companies worldwide.