1) what is C language?

Ans: C is a high-level language programming language used for developing system software and applications. It is known for its efficiency and portability.

2) What are the applications of C language?

Ans: C is used in operating systems, embedded systems, compilers, and game development. It is also used for hardware-level programming.

3) what is variable?

Ans: A variable is a name given to a memory location used to store data. Its value can be changed during program execution.
It must be declared with a data type (e.g. int, float, char). Example: int num = 10;

4) what are different types in C programming?

Ans: The main data types in C are int, float, char, and double.
They define the kind of data a variable can store

5) what is format specifier?

Ans: A format specifier tells the compiler the type of data being displayed or read.
example: %d for integers, %f for float, %c for character