1. What is c-language?

A. C-language is a general-purpose, procedural programming language. Devoloped by "Dennis Ritchie."

⟹ It is one of the most widely used and influential programming languages. In computer science.

2. Applications of c-programming?

A. It is widely used because it is fast, efficient, And close to hardware.

1) Operating systems :- C is used to devolop major os. because of its effiency and low-level capabilities.

2) Embedded systems:- It is used in 'c'-as micro — controllers and IOT devices.

[Like: washing machines, Microwaves]

3) System software : 'c' is used to devolop tools and utilities like : compilers ; Assemblers ; linkers ; Inter-preters.

4) Database systems : Many popular database use C- for performance. Ex: MySQL, Oracle ; postgre SQL [for core components).

3. what is variable?

-A) A variable is a named storage location in memory that is used to store information/Data.

    * It is store, use and change values during execution

4) what are different types in c-programming?

A) 1. primary (Basic) Data types.

    2. Derived Data types

    3. User-Defined Data Types.

5) what is format specifier?

A) A format specifier tells the c-compiler the type of data stored in a variable.

        EX: int (%d); float (%f); dobule (%1F)

            char (%c) string (%s)

    These are some common format specifiers in C.