

1. What is C-Language?

A: C-Language is a general-purpose, Procedural Programming Language. Developed 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 develop major's because of its efficiency and low-level capabilities.

2) Embedded Systems:-

It is used to "C" as microcontrollers and IoT devices. [like:- washing machines, microwaves].

3) System software:- C is used to develop tools and utilities like:- compilers: Assemblers, Linkers; Interpreters.

4) Data base systems:- Many popular database use C for performance.

Ex:- MySQL, Oracle; PostgreSQL [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 executor.

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); double (%lf)`

`char (%c) string (%s)`

These are some common format specifiers in C.