

1] What is C language?

C is a general-purpose, procedural programming language known for its speed, efficiency, and low-level access to memory, making it suitable for system software like operating system and embedded systems. It was developed in the early 1970s by Dennis Ritchie at Bell Labs and remains widely used due to its portability and powerful features.

2] Applications of C language?

- \* C is used to develop core components of operating system such as windows, linux and macos.
- \* C is applied in embedded system in small devices such as washing machines, microwave oven and printers.
- \* C is used to create game engines.
- \* C is applied to develop database engines. MySQL database is implemented using C.
- \* C is employed to create desktop applications.  
eg. Notepad++

3] What is variable.  
Variable act like as a container which is used to store the information like integer, character, float, double etc.....

4] What are different types in C programming?  
there are different data types in C programming. In C programming, there are

→ Basic

→ Derived

→ enumeration

→ void

5] What is format specifier.

format specifier tells the what types of information holds in the variable.

Data type

format specifier

1) int

%d (or) %i

2) unsigned int

%u

3) short int

%hd

4) long int

%ld

5) long long int

%lld

6) float

%f

7) double

%Lf

8) long double

%Ll

9) char

%c

10) char (or) string

%s

11) pointer

%p