

5. what is format specifier?

Format specifier tells "what are the information hold in the variable".

4. what are different types in c programming?

ii derived data types:

\* arrays

\* pointers

\* functions

\* structures

\* unions

iii. user-defined data types:

\* struct

\* union

\* enum

\* typedef

1. What is C language?

C is a general-purpose procedural programming language initially developed by Dennis Ritchie in 1972 at Bell Laboratories of AT&T Labs. It was mainly created as a system programming language to write the UNIX operating system.

2. Applications of C Programming?

- \* C is used to core components of operating system such as windows, Linux, macOS.
- \* C is used in embedded system in small devices such as washing machine micro controllers and printers
- \* C is used to create game engines.
- \* C is used to develop database engines MySQL database is implemented using C.
- \* C is employed to create program for devices and sensors of IoT.
- \* C is employed to create desktop applications.

3. What is variable?

- \* Variable acts like as a container and which is used to store the information (int, float, char, double, etc)
- \* Data type designs "what type of information holds in the variable".

4. What are different data types in C-program.

C has three main categories of three types:

i. Primary (Basic) datatype:

\* int → stores integers

\* float → stores decimal numbers

\* double → stores large decimal numbers

\* char → stores a single character.