

1) what is c language?

A) C language is a general-purpose, procedural computer programming language developed by Dennis Ritchie at Bell Labs in the 1970's. It's a fundamental language that has influenced many other programming languages, including C++, Java and many more.

2) Applications of c programming?

A) \* operating systems

\* Embedded systems

\* web development

\* Database systems

\* Games Development

\* Network programming

3) what is variable?

A) In programming, a variable is a named storage location that holds a value. Think of it like a labeled box where you can store a value, and then retrieve it later using the label (variable name).

4) What are different data types in c programming?

A) Different data types in c

1. Basic data types : int, char, void, float, double

2. Derived data types : function, pointer, array

3. User defined data types : union, enum,

STRUCTURE

## 5. what is format specifier?

In C, format specifiers are used with input/output functions like printf() and scanf() to specify the data type of the variable being printed or read.

- %d or %i : integer
- %c : character
- %f : float
- %lf : double
- %s : string
- %u : unsigned integer
- %X or %x : hexadecimal