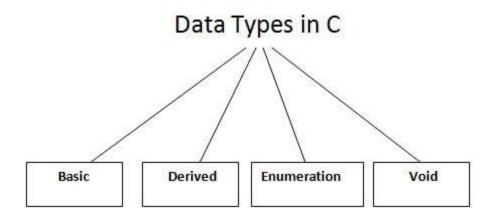
Data Types in C:-

A data type specifies the type of data that a variable can store such as integer, floating, character, etc.



There are the following data types in C language.

Types	Data Types
Basic Data Type	int, char, float, double
Derived Data Type	array, pointer, structure, union
Enumeration Data Type	enum
Void Data Type	void

Basic Data Types

The basic data types are integer-based and floating-point based. C language supports both signed and unsigned literals.

The memory size of the basic data types may change according to 32 or 64-bit operating system.

Let's see the basic data types. Its size is given **according to 32-bit architecture**.

ory Size Rang	Range
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char	1 byte	-128 to 127	
signed char	1 byte	-128 to 127	
unsigned char	1 byte	0 to 255	
short	2 byte	-32,768 to 32,767	
signed short	2 byte	-32,768 to 32,767	
unsigned short	2 byte	0 to 65,535	
int	2 byte	-32,768 to 32,767	
signed int	2 byte	-32,768 to 32,767	
unsigned int	2 byte	0 to 65,535	
short int	2 byte	-32,768 to 32,767	
signed short int	2 byte	-32,768 to 32,767	
unsigned short int	2 byte	0 to 65,535	
long int	4 byte	-2,147,483,648 to 2,147,483,647	
signed long int	4 byte	-2,147,483,648 to 2,147,483,647	
unsigned long int	4 byte	0 to 4,294,967,295	
float	4 byte		
double	8 byte		
long double	10 byte		