Integer Types

The following table provides the details of standard integer types with their corresponding format, storage sizes and value ranges

Туре	Format	Storage size	Value range
char	%с	1 byte	-128 to 127 or 0 to 255
unsigned char	%c (%hhu for numerical output)	1 byte	0 to 255
int	%i or %d	2 or 4 bytes	-32,768 to 32,767 or -2,147,483,648 to 2,147,483,647
unsigned int	%u	2 or 4 bytes	0 to 65,535 or 0 to 4,294,967,295
short	%hi	2 bytes	-32,768 to 32,767
unsigned short	%hu	2 bytes	0 to 65,535
long	%li or %ld	4 bytes	-2,147,483,648 to 2,147,483,647
unsigned long	%lu	4 bytes	0 to 4,294,967,295

Floating-Point Types

The following table provide the details of standard floating-point types with their corresponding format, storage sizes and value ranges and their precision

Туре	Format	Storage size	Value range	Precision
float	%f (digital notation) %g, %e (scientific notation)	4 byte	1.2E-38 to 3.4E+38	6 decimal places
double	%lf (digital notation) %lg, %le (scientific notation)	8 byte	2.3E-308 to 1.7E+308	15 decimal places

The void Type

The void type specifies that no value is available. It is used in three different of situations

Sr.No.	Types & Description		
1	Function returns as void		
	There are various functions in C which do not return any value		
2	Function arguments as void		
	There are various functions in C which do not accept any parameter.		
	Pointers to void		
	A pointer of type void \ast represents the address of an object, but not its type.		