

Type	Typical Size in Bits	Minimal Range
char	8	-128 to 127
unsigned char	8	0 to 255
signed char	8	-128 to 127
int	16 or 32	-32,768 to 32,767
unsigned int	16 or 32	0 to 65,535
signed int	16 or 32	Same as int
short int	16	-32,768 to 32,767
unsigned short int	16	0 to 65,535
signed short int	16	Same as short int
long int	32	-2,147,483,648 to 2,147,483,647
long long int	64	-2^{63} to $2^{63} - 1$ (Added by C99)
signed long int	32	Same as long int
unsigned long int	32	0 to 4,294,967,295
unsigned long long int	64	$2^{64} - 1$ (Added by C99)
float	32	1E-37 to 1E+37 with six digits of precision
double	64	1E-37 to 1E+37 with ten digits of precision
long double	80	1E-37 to 1E+37 with ten digits of precision

All Data Types Defined by the C Standard