

C++ Data Types :-

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As explained in the [Variables](#) chapter, a variable in C++ must be a specified data type:

Example

```
int myNum = 5;           // Integer (whole number)
float myFloatNum = 5.99; // Floating point number
double myDoubleNum = 9.98; // Floating point number
char myLetter = 'D';     // Character
bool myBoolean = true;   // Boolean
string myText = "Hello"; // String
```

Basic Data Types

The data type specifies the size and type of information the variable will store:

Data Type	Size	Description
boolean	1 byte	Stores true or false values
char	1 byte	Stores a single character/letter/number, or ASCII values
int	2 or 4 bytes	Stores whole numbers, without decimals

float

4 bytes

Stores fractional numbers, containing one or more decimals. Sufficient for storing 7 decimal digits

double

8 bytes

Stores fractional numbers, containing one or more decimals. Sufficient for storing 15 decimal digits