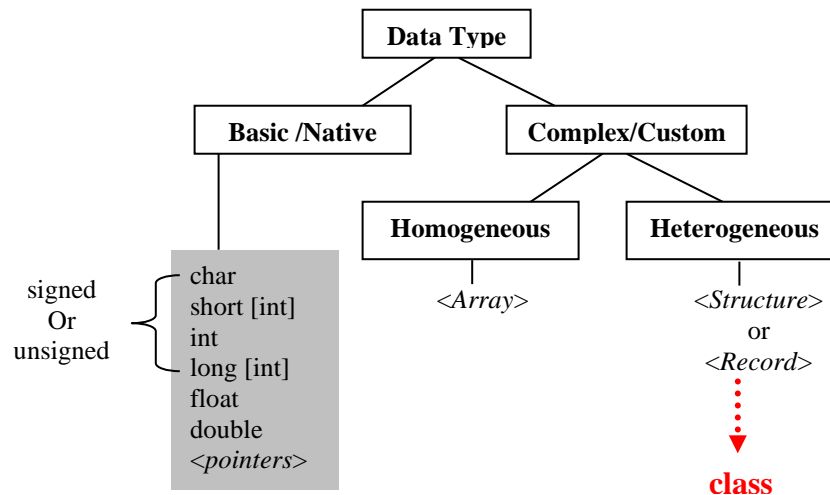


Appendix-C: Data Types

Data Type in a programming language determines:

- the kind of data it represents
- the storage size of the data in used
- the limit (range) of values
- the valid operations

The break down of Data Type in C/C++ language



C++ supports few more native types: bool, etc

In C++, the extension of *struct* is **class**. It can be used to create **Abstract Data Type (ADT)**.

C++ is stronger typing compare to C; the type checking is better in C++ compare to C language.

The keyword to determine the size of storage in C/C++ is **sizeof**. It returns the number of bytes in used.

In C all the function parameter types and return type must be native type, whereas C++ can be any types.

In C the **lvalue** of the assignment statement must be native type, whereas C++ accepts other types.

`<lvalue> = <rvalue>;`