

How Java differs from C and C++

Few major differences between C/C++ and Java programming language.

Java and C

1. Java does not include the C unique statement keywords **sizeof** and **typedef**.
2. Java does not contain the data types **struct** and **union**.
3. Java does not define the type modifiers keywords **auto**, **extern**, and **register**.
4. Java does not support explicit pointer.
5. Java does not have a preprocessor and therefore we cannot use **#define**, **#include** statement.
6. Java adds many features required for Object oriented programming.

Java and C++

1. Java does not support **Operator overloading**.
2. Java does not have **template class**.
3. Java does not support multiple inheritances of classes. Multiple inheritances is accomplished using a new feature called "**interface**".
4. Java does not support **global variables**. Every **variable** and **method** is declared within a class.
5. Java does not use pointers.
6. Java has replaced the destructor function with a **finalize()** function.
7. There is no **header file** in Java.

Automatic memory management system