5. Q Discuss how Java is different from C++?

Ans

C++	JAVA
1) C++ is platform dependent	1) Java is platform independent
2) C++ is both Structured and object oriented language	2) Java is pure object oriented language.
3) C++ is mainly used for System programming.	3) Java is mainly used for application programming. It is widely used in window, web-based and mobile applications.
4) C++ Supports inline function.	4) Java doesn't Support inline function.
5) C++ Supports goto statement.	5) Java doesn't Support goto statement.
6) C++ Supports multiple inheritance	6) Java doesn't Support multiple inheritance. It Can be achieved by interfaces in Java.
7) C++ Supports operator overloading.	7) Java doesn't support operator overloading.
8) C++ Supports pointers. you Can write pointer program in C++.	8) Java Supports pointer internally. But can't write the pointer program in Java. It means Java has restricted pointer Support in java.
9) C++ uses Compiler only.	9) Java uses Compiler and interpreter both.
10) C++ Supports both Call by value and Call by reference.	10) Java support Call by value only. There is no Call by reference.

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11) C++ Supports Structures and unions.	11) Java doesn't support structures and unions.
12) C++ doesn't have built-in support for threads. It relies on third party libraries for thread support.	12) Java has built-in thread support.
13) C++ doesn't supports documentation comment.	13) Java supports documentation comments to create documentation for Java source code.
14) C++ supports virtual keyword so that we can decide whether or not override a function.	14) Java has no virtual keyword. we can override override all non-static methods by defaults. In other words non-static methods are virtual by default.
15) C++ supports doesn't supports >>> operator	15) Java supports unsigned right shift operator that fills zero at the top for the negative numbers, for positive number, It works same as >> operator.