**DSA With JAVA extra notes**

When we write code and run. This is what happens in system:

When you press Run 🡪 language compiler it changes into executable file 🡪 executable file runs in system 🡪 you get output.

**C++ is platform dependent**.

Platform dependent languages produce different outcome on different platform by executable file (.exe or .out file).

Note – it doesn’t mean that program.cpp file will produce different outcome. Actually, executable file gives different output.

**Java is a platform independent language.** (Compiled file we get in java is “.class”.).

It happens because of JVM (Java virtual Machine).

When executed - .java 🡪 .class 🡪 will go through JVM (jvm gives file to suitable binary output) 🡪 gives output.

**JDK – Java development kit –** It has complete development kit for java like - JRE (Java Runtime Environment), Compiler, java docs.

JRE –JVM comes under it.

IDE – Integrated development environment. An integrated development environment (IDE) is software for building applications that combines common developer tools into a single GUI.