**Kotlin**

**Why Kotlin over JAVA ??**

- Kotlin is especially developed for Android development and It’s main agenda is to make the code simpler and less redundant unlike JAVA .

**Properties of Kotlin**

- Uses **JVM(Java Virtual Machine)** , hence after compilation it gets turned into **Java ByteCode** and JVM executes the Bytecode and shows the output .

- JVM is a virtual machine which executes the Java Bytecodes , obtained after the compilation of Java , Kotlin or any other languages . JVM is also termed as **Interpreter**

- It is cross-platform or platform-independent

- **Statically typed language** as it does variable type checking at the compile time and doesn’t allow to get assigned the variable and value of different data-types .

- It is **Type-Inference** , means Kotlin can automatically detect the datatype of the variable without specifying it .

- In order to make the system recognize the installation location of Java and to use the Java Commands , we need to set its path .

- **val** and **var** keywords are used to declare variables where val declares immutable while var declares mutable variables