Difference between Java and Scala

- Scala and Java are both very similar languages.
- **Java** : Java is a general-purpose, object-oriented, network-centric, multi-platform programming language
- **Scala** : Scala is a general-purpose, high-level, statically-typed programming language that incorporates object-oriented and functional programming.

Now let's compare some differences between Java and Scala Languages.

Java	Scala
Functions are Objects	Functions are variables
Requires several code lines for running routine tasks	Requires less code lines for running routine tasks than Java.
Supports backwards compatibility	Doesn't supports backwards compatibility
Easier learning curve	Hard to learn. Syntax is more complex
Doesn't support operator overloading	Supports operator overloading
Easy to create GUIs	Hard to create GUIs
Capability to cater to a large range of functionalities.	More task specific