

# SCS2204 Practical 2

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Parameter	Scala	Java
Compactness	More compact and concise	Comparatively larger chunks of code
Designed for	It is designed and developed to be both object and functional oriented language. It supports a wide variety of functional programming features such as concurrency and Immutability.	Originally developed as an object-oriented language and started supporting functional programming features in recent days. It is not as strong as a functional programming language.
Concurrency model	Uses actor model for supporting modern concurrency	It uses the conventional thread-based model for concurrency.
Supported frameworks	Supports frameworks – Play, Lift	Supports Spring, Grails, much more
Lazy evaluation support	Supports lazy evaluation	Does not support lazy evaluation
Static members	No static members	Contains static members
Operator overloading	Supports operator overloading	Does not support operator overloading
Compilation process	Compilation of source code is comparatively slow	Compilation of source code is faster than Scala
Interfaces	Traits – act like Java 8 interfaces	Java 8 interfaces try to bridge the gap between classes and interfaces