

	Lisp 1958	C 1972	C++ 1984	ML/Caml 1978	Java 1994	C# 1999	Scala 2003	F# 2009	Clojure 2009	Go 2009	Ceylon 2011	Dart 2011	Objective C 1986
<b>First created</b>	1958	1972	1984	1978	1994	1999	2003	2009	2009	2009	2011	2011	1986
<b>Chief designers</b>	McCarthy	Kernighan, Rit	Stroustrup	Milner	Arnold, Goslin	Hejlsberg	Odersky	Syme	Hickey (OSS?)	Pike	King	Bracha, Bak	Cox
<b>Company</b>	MIT	Bell Labs	Bell Labs	Edinburgh U	Sun (Oracle)	Microsoft	EPFL (universi	Microsoft		Google	Redhat	Google	Nextstep (Apple)
<b>Runtime</b>	Own	(None)	(None)	Own	JVM	.NET/CLI	JVM	.NET/CLI	JVM	Own	JVM, Javascr	Javascript, ow	Own
<b>Garbage collection</b>	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	(Yes)
References are safe	Yes	No	No	Yes	No	No	No	No	Yes?	No	Yes		(exercise)
<b>Object-oriented</b>	No	No	Yes	No	Yes	Yes	Yes	(Yes)	Yes	Yes	Yes		(exercise)
Method overloading	-	-	Yes	-	Yes	Yes	Yes	Yes	No	No	No		(exercise)
Virtual methods	-	-	Yes	-	Yes	Yes	Yes	Yes	Yes	Yes?	Yes		(exercise)
Inheritance	-	-	Multiple	-	Single	Single	Single	Single	Single	No?	Single		(exercise)
Interfaces/traits	-	-	No	-	Interfaces	Interfaces	Traits	?	Protocols	Interfaces	Traits (called i		(exercise)
<b>Functional</b>	(Yes)	No	No	Yes	No	Yes	Yes	Yes	Yes	No	Yes		(exercise)
Closures capture	-	-	-	rvalue	rvalue	lvalue	lvalue	lvalue	lvalue?	-	lvalue?		(exercise)
<b>Static types</b>	No	(Yes)	Yes	Yes	Yes	Yes	Yes	Yes	Optional	Yes	Yes		(exercise)
Generic types, parametric	No	No	(Yes)	Yes	Yes	Yes	Yes	Yes	-	No	Yes		(exercise)
Type parameter bounds	-	-	No	No	Yes	Yes	Yes	Yes	-	-	Yes		(exercise)
Co/contravariance	-	-	No	No	No	Yes	Yes	No	-	-	Yes		(exercise)
Higher-kinded types	-	-	No	No	No	No	Yes	No	-	out	No		(exercise)
<b>Pattern matching</b>	No	No	No	Yes	No	No	Yes	Yes	No	No	(Yes)		(exercise)
<b>Dynamic typing</b>	(Yes)	No	No	No	No	Yes	Yes	No	Yes	No?	No		(exercise)
<b>Exceptions</b>	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes		(exercise)
Checked exceptions	-	-	No	No	Yes	No	No	No	No	-	No		(exercise)
<b>Reflection</b>	No	No	No	No	(Yes)	Yes	Yes	(Yes)	(Not quite)	Yes	Yes		(exercise)
<b>Concurrency</b>	No	OS processes	OS processes	OS processes	Threads	Threads, asyn	Actors	Async	Transactional i	"Goroutines"	(JVM)		(exercise)
<b>Comm/sync</b>	No	(Library)	(Library)	(Library)	Locks	Locks, await	Messages	Messages	Atomic section	Channels	(JVM)		(exercise)