The Evolution of Programming Languages			
Year	Language	What does the	Notes
1949	Assembly Language	name mean?	Assembly language was introduced as a more human- readable abstraction of machine code.
1952	Autocode	Automatic Coding	Autocode introduced the idea of using mnemonic symbols and simpler commands to generate machine code.
1957	FORTRAN	FORmula TRANslation	FORTRAN introduced the concept of a compiler, which could translate high-level code into efficient machine code.
1958	ALGOL	Algorithmic Language	ALGOL introduced structured programming, influencing languages like Pascal, C, and Java.
1958	LISP	LISt Processing	Designed for symbolic data and recursion, it advanced AI and introduced garbage collection, influencing languages like Python and JavaScript.
1959	COBOL	COmmon Business- Oriented Language	COBOL, a high-level business language, was designed for readability and efficient data handling, later adding structured

		1	
			features like IF
			statements and
			loops.
1964	BASIC	Beginner's All-	BASIC's simple
		purpose S ymbolic	syntax made
		Instruction Code	programming
			accessible to non-
			programmers, with
			immediate
			feedback via time-
			sharing systems. It
			adapted to various
			nlatforms and
			evolved into
			versions like
			Microsoft PASIC
			OBASIC and Visual
1070	Descel		Dasic.
1970	Pascal	-	Pascal promoted
			structured
			programming and
			modular code
			reuse. Turbo Pascal
			by Borland in the
			1980s was a
			commercial
			success, influencing
			languages like
			Modula-2, Ada, and
			Delphi.
1972	Smalltalk-72, -76,	-	Smalltalk
	-80		introduced object-
			oriented principles
			like message
			passing and tools
			like browsers and
			debuggers, now
			standard in IDEs. It
			influenced
			languages like C++.
			lava, Python, and
			Ruby, and shaped
			agile practices and
			Gille
1072	C		C evolved from P
13/2	L		(based on PCPL)
			(Dased OII DCPL)
			the Univ energing
			the unix operating

			system. Its rich
			standard library
			includes functions
			for tasks like file
			handling and math
			C is the foundation
			for modern
			languages like C++,
1070	0000	Official Dua duation	
1979	UPS5		OPS5 is a high-level
		System, version 5	language for rule-
			based systems in Al,
			evolving from OPS4.
			It uses the Rete
			algorithm for
			efficient pattern
			matching and
			inspired tools like
			CLIPS, Jess, and
			Drools.
1979	C++	-	C++, renamed from
			"C with Classes" in
			1983, extends C
			with object-
			oriented features
			like classes and
			inheritance. It
			introduced reusable
			components and
			influenced
			Ctt and Bust
1007	Devil	Due etical Future eticu	C#, and Rust.
1987	Peri	Practical Extraction	Peri, known for its
		and Report	versatility and text-
		Language	processing, gained
			popularity in the
			1990s for web
			development. It
			influenced scripting
			languages like
			Python, Ruby, and
			PHP.
1991	Python		ABC, developed in
			the 1980s at CWI,
			emphasized
			simplicity and
			readability, inspiring
			Python's design.

			Python adds
			libraries for tasks
			like web
			development.
			machine learning
			and data analysis
			and tune code line
			and fulls code line-
			by-life for easy
			debugging.
1991	Visual Basic	-	Visual Basic, built
			for rapid application
			development
			(RAD), evolved from
			BASIC, adding
			event-driven
			programming and
			GUI development
			to its simple syntax.
1995	Java		Java, created by Sun
			Microsystems.
			follows the "Write
			$\Delta p_{\rm M}$ where $(M \cap R \Delta)$
			nhilosonhy
			prinosophy.
			initiation a bis st
			It retains object-
			oriented principles
			while simplifying
			and avoiding
			complexities like
			pointer arithmetic
			and multiple
			inheritance.
1995	Javascript		JavaScript is a high-
			level language
			widely used for web
			development.
			enabling dynamic.
			interactive pages
			and efficiently
			handling user
			interactions like
			clicks and form
2000	C#		SUDINISSIONS.
2000	C#		C#, an object-
			oriented language
			by Microsoft, was
			released in 2002

	with the .NET
	Framework.
	Influenced by C++,
	Java, and Object
	Pascal, it remains
	central to
	Microsoft's
	development stack
	and evolves with
	regular updates.

Due to their limited relevance to the industrial automation market, I did not include languages like MATLAB, Haskell, PHP, PL/I, APL, Objective-C, R, Ruby, Groovy, Go, or Swift.