

COMPUTER GENERATIONS

Sno.	Generation & Description	Computer used	Programing Language
1.	First Generation The period of first generation: 1946-1959. Vacuum tube based.	<ul style="list-style-type: none"> • ENIAC UNIVAC • IBM-701 • EDVAC 	Machine code as the programming language.
2.	Second Generation The period of second generation: 1959-1965. Transistor based.	<ul style="list-style-type: none"> • IBM 1620 • IBM 7094 • UNIVAC 1108 	FORTRAN, COBOL
3.	Third Generation The period of third generation: 1965-1971. Integrated Circuit based.	<ul style="list-style-type: none"> • IBM-360 series • Honeywell-6000 series • PDP (Personal Data Processor) 	(FORTRAN-II TO IV, COBOL, PASCAL PL/1, BASIC, ALGOL-68 etc.
4.	Fourth Generation The period of fourth generation: 1971-1980. VLSI microprocessor based.	<ul style="list-style-type: none"> • PDP 11 • CRAY-1(Super Computer) • CRAY-X-MP(Super Computer) 	All the high-level languages like C, C++, DBASE etc.
5.	Fifth Generation The period of fifth generation: 1980-onwards. ULSI microprocessor based.	<ul style="list-style-type: none"> • Desktop • Laptop • NoteBook • UltraBook 	All the high-level languages like C and C++, Java, .Net etc.

FORTRAN: Formula Translating System

ALGOL: Algorithmic Language

COBOL: Common Business-Oriented Language