

Computer Generations

by: nibras.y.m

The modern computer that we use in our daily lives has gone through several stages until it reached this level of efficiency and ability, and from here we learn about the five computer generations.

1-The first generation: 1944-1955:

In the fifties, this type of computers was produced, and this generation used vacuum valves, which are vacuum glass tubes that can stop or pass the electric current. The computers were large, heavy, and slow in speed, and we used machine language which consists of two letters (0, 1) in its programming.

2-The second generation: 1955-1960

In this generation, the transistor was used instead of the vacuum tubes, which is an electronic chip that controls the flow of electric current. The computers here is smaller, faster and more capable of storing. Assembly language is used here, where symbols are used instead of (0, 1).

3-Third generation: 1961-1979

The emergence of Integrated electrical circuits, time-sharing system and computer networks in this generation

4-Fourth generation 1979-1990

**The emergence of a microprocessor,
and it became possible to
manufacture devices such as digital
watches, personal computers... etc.**

5- Fifth generation: 1990 - now

It is the generation we are using now and in which artificial intelligence devices have been developed