History of computer(4th generation)…:

* The first question that came to our mind after thinking about history of computer of 4th generation that who has invented it..So the answer is the first microprocessor was first introduced in 1971 by Intel, invented by their employee **Ted Hoff**. They named it the Intel 4004; the first computer on a chip...And second question is what is a fourth generation computer and so it’s answer is that the period of **fourth generation** was from 1971-1980. **Computers** of **fourth generation** used Very Large Scale Integrated (VLSI) circuits. VLSI circuits having about 5000 transistors and other circuit elements with their associated circuits on a single chip made it possible to have microcomputers of **fourth generation**. **Intel 4004 chip** was the first **microprocessor** developed in 1971. The**microprocessor** is a silicon **chip** contains millions of transistors that was designed using **LSI** and **VLSI technology**. The fourth generation computers used Large Scale Integration and **Very Large Scale Integration** technology.
* The main features of fourth generation are −

1.VLSI technology used

2.Very cheap

3.Portable and reliable

4.Use of PCs

5.Very small size

6.Pipeline processing

7.No AC required

8.Concept of internet was introduced

9.Great developments in the fields of networks

10.Computers became easily available

* Several operating systems like MS-DOS and MS windows developed during this time. The instructions to the computer were written in high level language instead of machine language and assembly language.
* Advantages

1. More reliable than previous generation computers.
2. Perform calculations in Picoseconds.
3. Consumes less power than the previous generation computers.
4. No air conditioning is required.
5. Totally general purpose.
6. Cost is low compared to the previous generation computers.
7. All types of high level languages is used for fourth generation computers.
8. Maintenance cost is low compared to the previous generation computers.
9. Fourth generation computers are portable.
10. Generates less heat than the previous generation computers.
11. Learning high level language is easier than assembly and machine language.

* Disadvantages

1. Latest technology was required for manufacturing of microprocessor

* Atlast:
* *What defines generation 4?*
* Characteristics of the fourth generation include:
* Use of the Microprocessor/ VLSI Technology
* Much Less Expensive
* More Portable
* Much Smaller Size
* Usage of the Internet
* Computers were More Easily Available to Everyone; PCs
* BASIC Computer Language
* Computer Mouse and GUI make Computers More Personable
* Some Computers of the fourth generation include:
* ALTAIR 88
* Apple I
* Apple II series