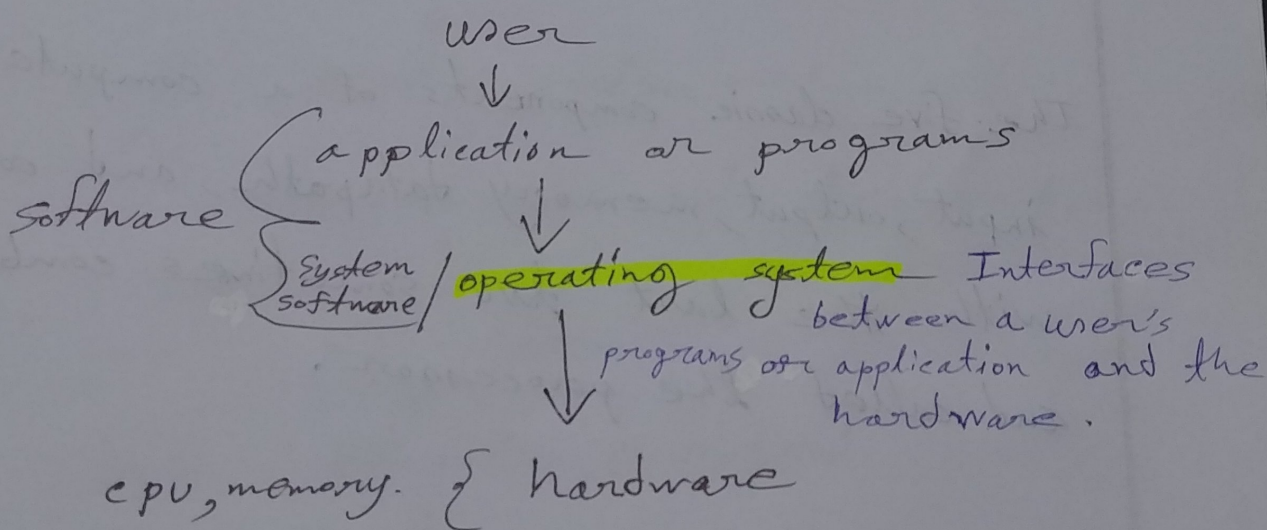


Q. what is computer?

Ans: A computer is a machine which combination of hardware and software.

layers of computer:

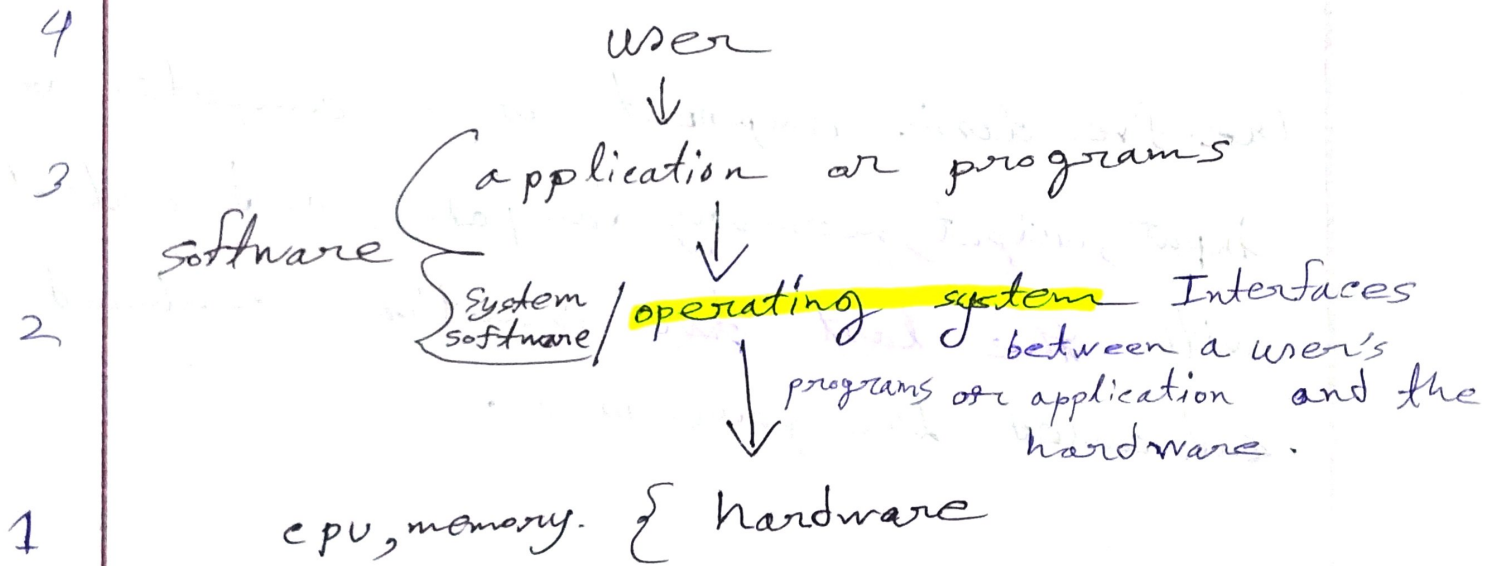


⇒ operating system or system software is a software that interfaces between a user's programs or application and the hardware.

Q. What is computer?

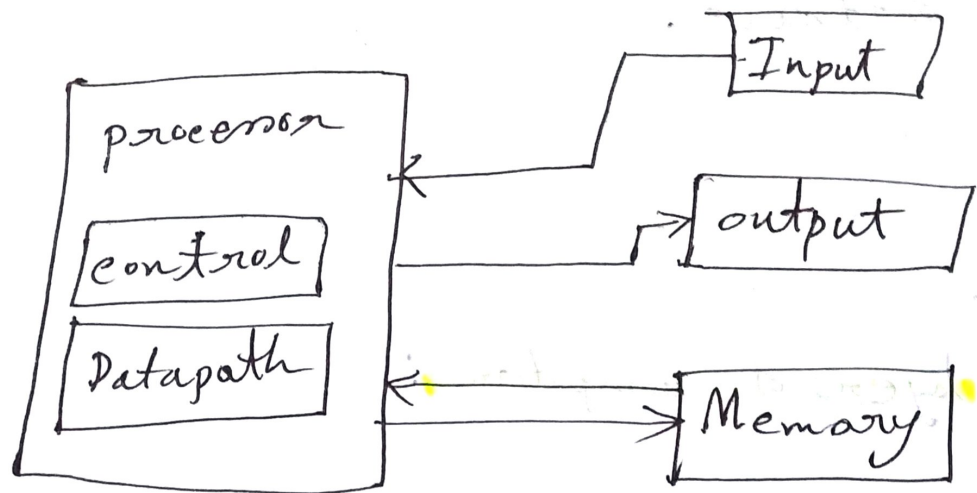
Ans: A computer is a machine which combination of hardware and software.

layers of computer:



⇒ operating system or system software is a software that interfaces between a user's programs or application and the hardware.

Five Classic components of a computer



The five classic components of a computer are input, output, memory datapath, and control, with the last two sometimes combined and called the processor.

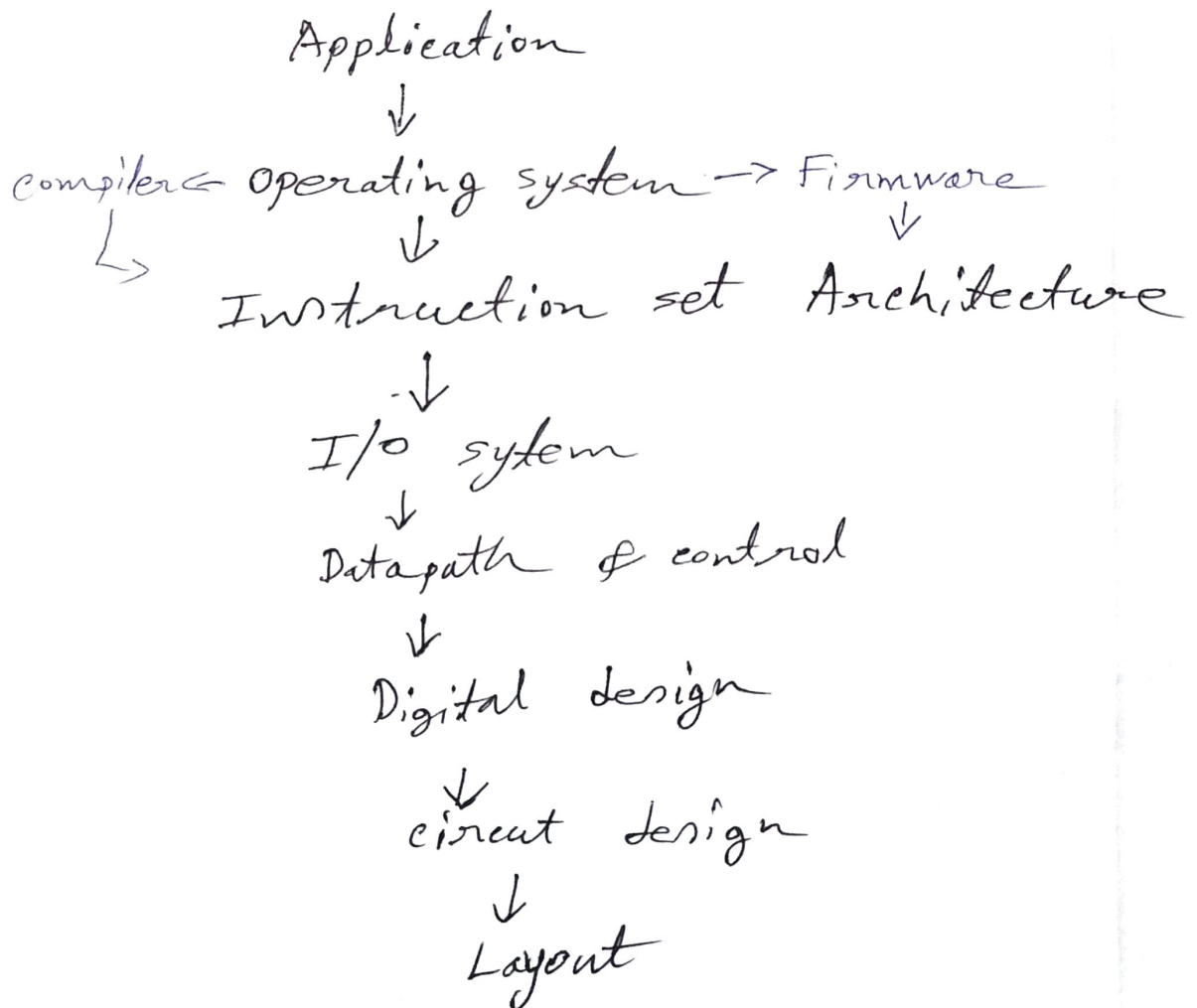
Datapath: The component of the processor that performs arithmetic operations.

Q. What is computer architecture?

Ans: The relation between software layer, hardware layer and particular Instruction set is called computer architecture.

Computer Architecture = Instruction Set
architecture + Machine Organization

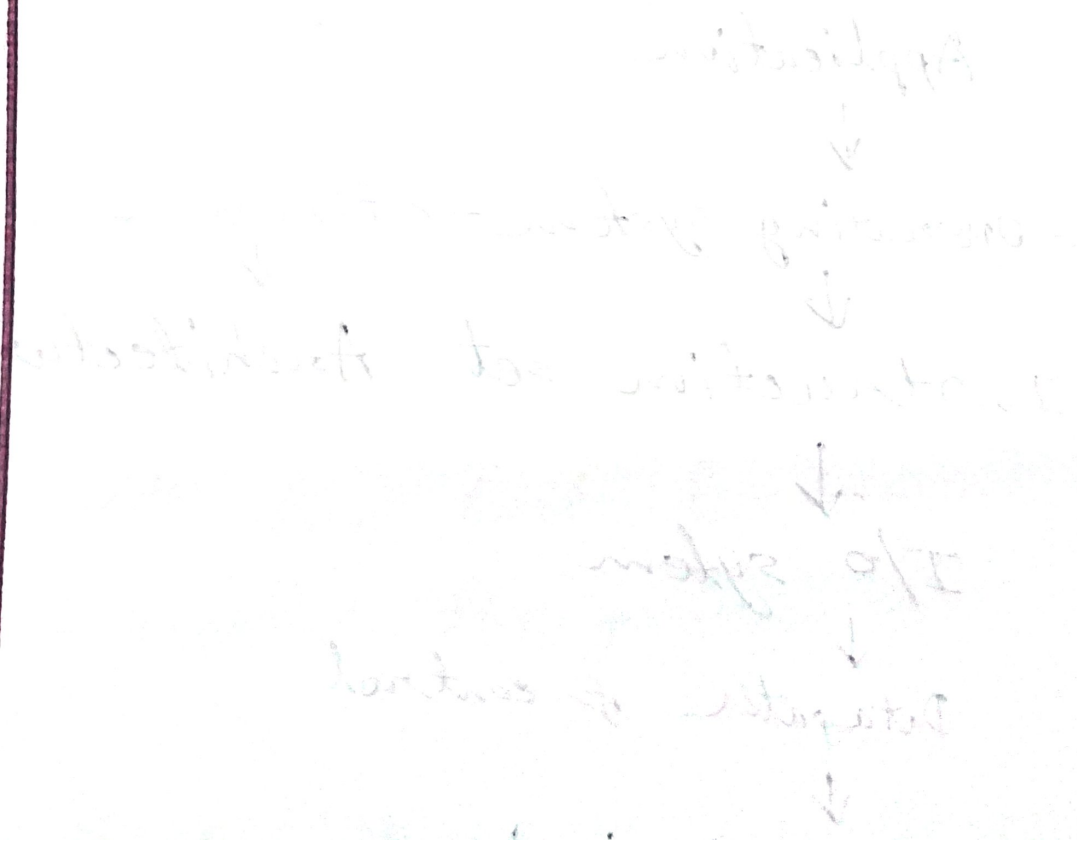
Figure: levels/layers of computer Architecture



Computer Architecture is,

- Coordination of many levels of abstraction
- Under a rapidly changing set of forces
- Design, Measurement, and Evaluation.

Computer Architecture is a development process to develop a computer system.



⇒ Instruction set ARCHITECTURE (sub set of computer Arch.):

The interface between the hardware and lowest level software is called instruction set architecture.

[Instruction set architecture જે સર્કટ આમણ
મેમ્બર MIPS]

A general purpose computer has 3 parts

first sheet
of copy

1. processor: The 'brain'
2. Primary storage: memory or RAM
3. Input and output unit: I/O

