



Ahsanullah University of Science & Technology

Department of Computer Science & Engineering

Course No : CSE2214
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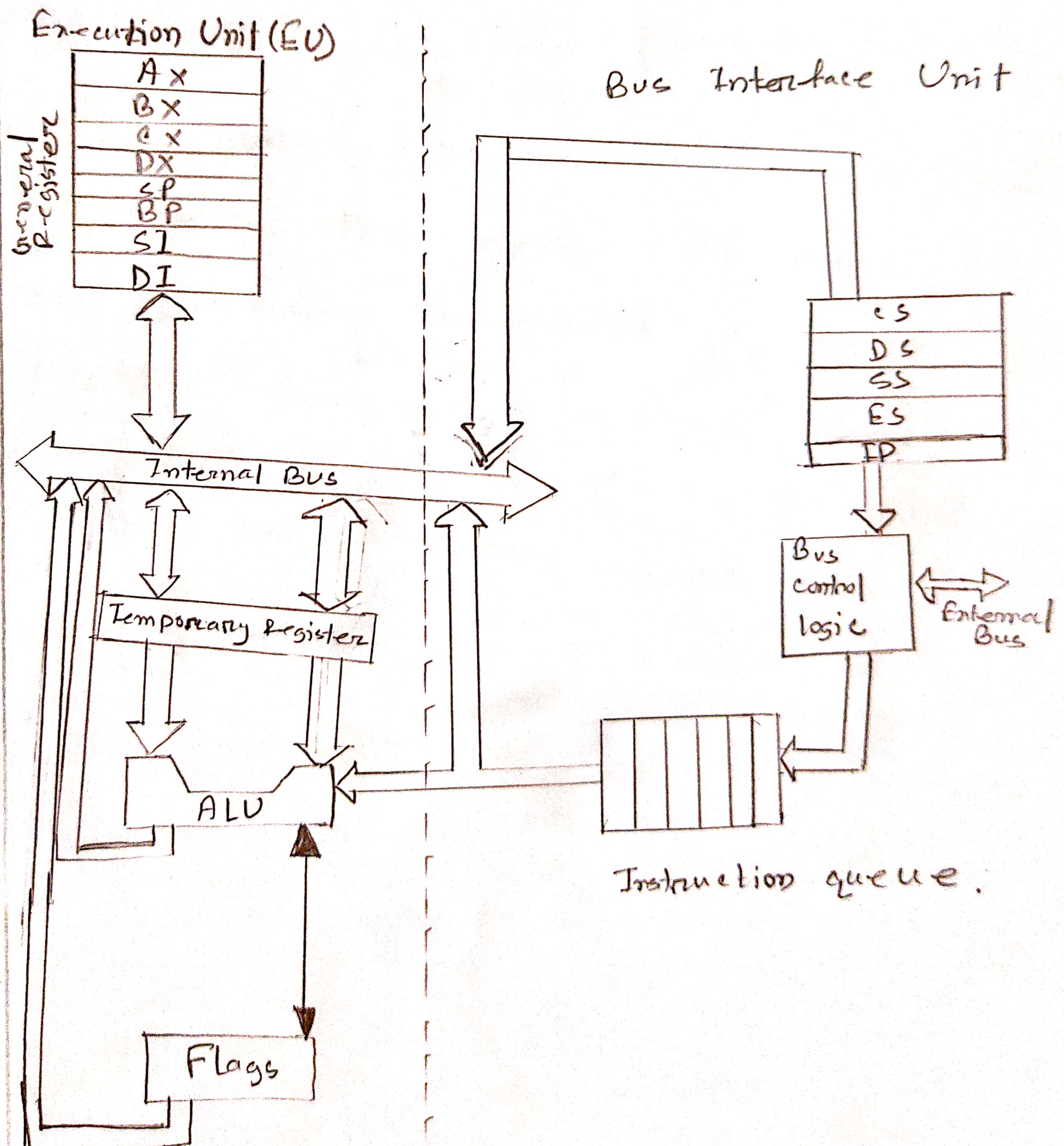
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Question - No-1. Draw the diagram of the intel 8086 Microprocessor Organization.

Ans. The diagram of Intel 8086 Microprocessor Organization is given below.



Question - 2. Consider a machine language instruction that moves a copy of the contents of register Ax into CPU to a memory word. What happens during the fetch cycle and execution cycle.

Ans: In order to execute an instruction a ~~main~~ machine goes through two cycles. They are , ,

1. Fetch cycle.
2. Execution ~~cycle~~ cycle.

Fetch cycle:-

The fetch is an instruction from memory. The first step the CPU carries out is to fetch some data and instructions from main memory then store them in its own internal temporary memory areas.

This is called the fetch part of the cycle.

Execution cycle: This is the part of the cycle when data processing actually takes place. The instruction is carried out upon the data. The result of this processing is stored in yet another register. Once the cycle is complete, the CPU sets itself up to begin another cycle, once more.

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