

Assignment CSC202

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## Functions of CPU

CPU is both the heart and brain of every computer. Many of us do not know how important unit is to the performance of a computer. I wondered about the basic functions of CPU.

CPU processes instructions. It receives in the process of decoding data.

**Fetch!** Each instruction is stored in memory and has its own address. The processor takes this address number from the program counter which is possible for tracking which instructions the CPU should execute next.

**Decode!** All programs to be executed are translated into assembly instructions. Assembly code must be decoded into binary instructions, which are understandable to your CPU.

③ Execute: While executing instructions the CPU can do one of three things: DO calculations in its ALU - MOVE data from one memory location to another, or jump to a different address

④ Store: The CPU must give feedback after executing an instruction and the output data is written to the memory