1. The Segment registers has a very special purpose – pointing at accessible blocks of memory.

* IP - the instruction pointer.
* flags register - determines the current state of the microprocessor.

2. The 8086 CPU has 8 GPR.

AX-Accumulator ,BX-base address, CX-count register, DX-data register,

SI-source index, DI-destination index ,BP-base pointer ,SP-stack pointer.