1. With the help of instruction point, after getting the address from memory with segment register, it gets the next fetching address. Data can also be stored in segment register but that’s a bad choice because its main purpose is to get address from memory.
2. GPR means general purpose register. It stores data. There are 8 GPR- AX, BX, CX , DX, SI, DI, BP, SP. For storing data AX BX CX DX is used. AX- This is the accumulator. IT has 16 bits, divided into 8-bit high and 8 bits low. BX- This is the base register. It is also used to store value of offset. CX- CX is counter register. Looping is performed here. DX: Data Register. Has 8 bit high 8 bit low.