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## Q.1

The segment registers have a very special purpose and the purpose is pointing at accessible blocks of memory. Segment registers work together with general purpose register to access any memory value. Because of this it is never a good idea to store any data in the segment registers.

## Q.2

Four register to storing data General-purpose registers (AX, BX, CX, DX) are made of two separates 8-bit

registers, for example if AX= 0011000000111001b, then AH=00110000b and AL=00111001b. Therefore, when you modify any of the 8-bit registers 16-bit registers are also updated, and vice-versa. The same is for other 3 registers, "H" is for high and "L" is for low part.