

1 Why it is never a good idea to store any data in the segment registers?

**Answer:** So basically, segment register is do it help to get some address from memory and with the help of Instruction point it will get the next fetching address.

But you can store the data in segment resistor which is not a good idea because its main purpose is to get address from memory.

2. Explain GPR in terms of storing data

**Answer:** GPR stands for General Purpose Register. General purpose registers are used to store temporary data and there are 8 general purpose registers in the microprocessor.

The register is:

AX – This is the accumulator. It is of 16 bits and is divided into 8-bit AH and 8-bit AL.

BX – This is the base register. It is of 16 bits and is divided into two 8-bit registers BH and BL. And It also used to store the value of the offset.

CX – This is the counter register. And divide into AH And AL.

DX – This is the data register and into two 8-bit registers DH and DL to also perform 8-bit instructions.