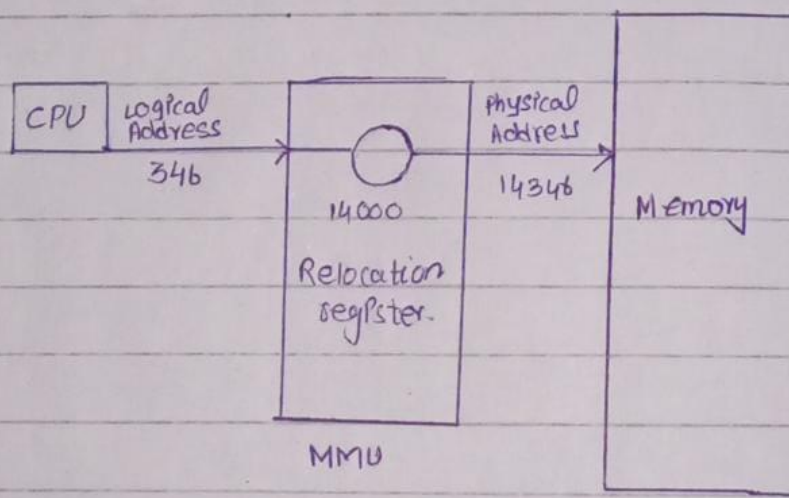


Assignment # 02 Mapping

Question #01 How Logical Address map with Physical Address.

Logical Address mapped with physical Address using hardware called MMU (Memory Management unit).



1. CPU will generate logical address e.g 346
2. MMU will generate a relocation register (Base register) 14000
3. In memory, the physical Address is located ($346 + 14000 = 14346$)

The value in the relocation register is added to every address generated by

a user process at the address is sent to memory. The user program never sees the real physical addresses. The program can create a pointer to location 346, store it in memory, manipulate and compare it with other addresses. The user program generates only logical addresses. However, these logical addresses must be mapped to physical addresses before they are used.