Logical and physical Addresses

In multiprogramming o.s. two types of addresses are generated.
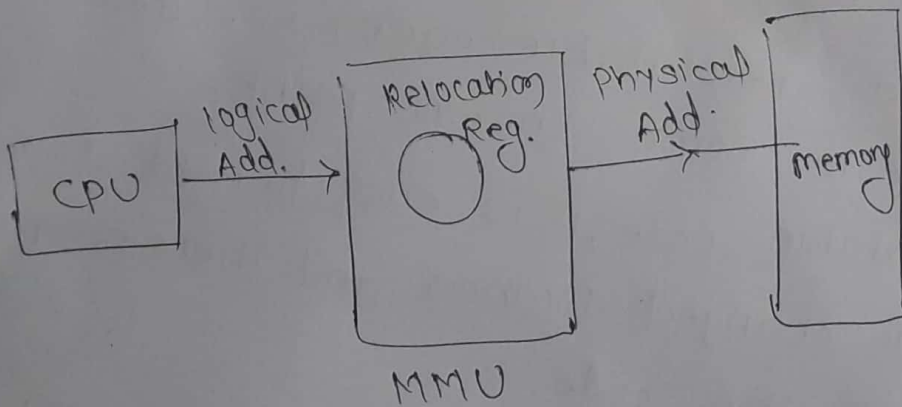

fig: mapping virtual address to physical addresses.

Parameter	Logical Address	Physical Address
Basic	generated by CPU	location in a memory unit.
Address space	logical address space is set of all logical addresses generated by CPU in reference to a program.	physical address space is a set of all physical addresses mapped to the corrosponding logical addresses.
visibility	user can view the logical address of a program.	user can never view physical address of program.
Generation	generated by CPU	computed by mmu.
Access	The user can use the logical address to access the physical address.	The user can indirectly access physical address but not directly.