

### Process Control Block :-

- Each process represented in the Operating system by the process control block which is also called task control block
- It contains many pieces of information is associated with the specific process as follow:
  1. **Process state ;**  
The state may be new ready running waiting
  2. **Program Counter :**  
It indicates the Address of the next instruction can be executed in the process
  3. **CPU Register :**  
The registers vary in number & types depending on computer architectures  
They include accumulator , index register , stack pointer ... any plus condition code information
  4. **CPU scheduling information :-**  
This include to process priority , pointer to scheduling queues and other scheduling parameters
  5. **Memory management Information :-**  
It includes the value of base & limit of registers . the segment table & page tables depends on memory system used by the Operating system
  6. **Accounting Information :-**  
It include amount of CPU used time limits no.s job or process no.s & so on
  7. **I/O Status Informationn :-**  
It include the list of I/O devices allocated to the process .a list of open files & so on.



Fig A.Process Control block

In above fig A shows that process control block

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