

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 Information :-**
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

By :- Vishal Chavare