

Q.2) Differe b/w internal and external fragmentation

Describe the typical element of the process control block

Ans @ Internal fragmentation:-

Memory block assigned to process is bigger. Some portion of memory is left unused, as it cannot be used by any

@ External fragmentation:-

Total memory space is enough to satisfy a request or to resident a process in it but it is not contiguous so it cannot be used.

Key	Internal	External
1. Definition	when there is a different b/w request & memory space is allotted memory	when there are are small and non-contiguous memory blocks which are
2. process	It occurs when paging is employed	It occurs when segmentation is employed
3. Solution	Best fit Block search is the solution for internal.	compaction is the solution for external fragmentation.

⇒ Each block of memory contain information about the process state; programme counter, stack pointer, status of opened files, scheduling algo.

A process control block (PCB) contain information about process.