**ABSTRACT**

***Page Replacement Algorithm***

In an operating system that uses paging for memory management, a page replacement algorithm is needed to decide which page needs to be replaced when new page comes in.

**Page Fault**: When we want to load the page on the memory, and the page is not stored in memory, then it is called page fault.

**Page Hit**: When we want to load the page on the memory, and the page is already available in memory, then it is called page hit.

**Memory management unit**: The run time mapping between Virtual address and Physical Address is done by hardware device known as MMU.

**Page Replacement Algorithms** :

* First In First Out (FIFO) –
* Optimal Page replacement
* Least Recently Used

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