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What is demand page?

Since RAM memory is less so all pages of a process are not loaded into RAM, only few pages are loaded, but if there is page required in physical memory but it is not available then page loaded from virtual memory.

⇒ When a page is demanded in physical memory it is loaded from virtual memory. These type of

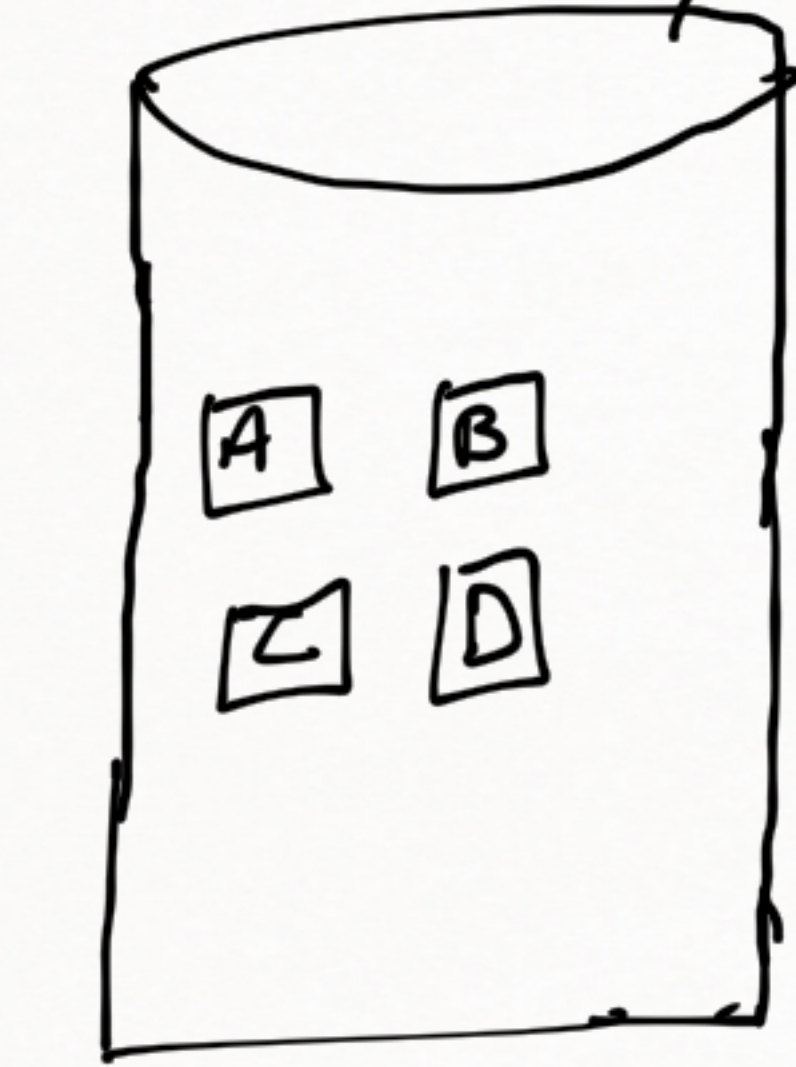


pages which are loaded on demand are called  
demand page.

→ what is page fault?  
When a page is demanded it is loaded from  
virtual memory to physical memory, if suppose the page  
is not available in virtual memory then it is  
called page fault.



What is dirty page



(secondary storage)

A.0
A.1
A.2
A.3
B.0
B.1
B.2
B.3
<u>C.0</u>
C.1
C.2
C.3
D.0
D.1

(U.M)

= = = =>

swap

0	A.0
1	A.1
2	B.0
3	B.1
4	<u>C.0</u>
5	C.1
6	D.0
7	D.1

(physical memory RAM)

Those pages which are modified are called dirty page

It C.0 is modified page then store C.0 back to U.M