Lab 9 Paging

Course: Operating Systems

Exercise 1

Consider the page table shown in Figure 3.1 for a system with 12-bit virtual andphysical addresses and with 256-byte pages. The list of free page frames is D, E, F (that is, D is at the head of the list, E is second, and F is last). Convert the following virtual addresses to their equivalent physical addresses in hexadecimal. All numbers are given in hexadecimal. (A dash for a page frame indicates that the page is not in memory.)

Page	Page frame
0	_
1	2
2	C
3	A
4	_
5	4
6	3
7	_
8	B
9	0

- 9EF-0EF

- 111-211

- 700-D00

- 0FF-EFF

References

[1] Wikipedia. http://en.wikipedia.org, last access: 15/04/2019.

[2] Silberschatz, Galvin, and Gagne, Operating System Concepts.

[3] Tanenbaum, Modern Operating Systems.