

Exercise session
(Memory management)

Operating Systems – EDA093/DIT401

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Exercise 1

- Suppose a process P has size of 100 bytes. Compute (1) the number of wasted bytes caused by internal fragmentation if the page and frame sizes are set to 2^4 bytes and (2) the size of the page table.

Exercise 2

Assuming a 1 KB page size, what are the page numbers and offsets for the following address references (provided as decimal numbers):

2375

19366

30000

256

16385

Exercise 3

Consider the following segment table:

Segment	Base	Length
0	219	600
1	2300	14
2	90	100
3	1327	580
4	1352	96

Tell which physical address would be accessed for the following logical addresses

0,430

1,10

2,500

3,400

4,112