**Activity 5**

**Consider the following logical memory space of a process and page table. Consider that pages and frames are 8 bytes long, characters are 1 byte long, and integers 4 bytes long.**

|  |  |  |  |
| --- | --- | --- | --- |
| Logical Memaddr | Value | Variable | Page |
| 54 | e | char \*c | 4 |
| 53 | l |
| 52 | p |
| 51 | m |
| 50 | a |
| 49 | x |
| 48 | e |
|  | 7 | int b | 3 |
|  |
|  |
| 44 |
|  | 4 | int a |
|  |
|  |
| 40 |

|  |  |
| --- | --- |
| Page | Frame |
| 3 | 7 |
| 4 | 0 |

**Solve the following questions, you can put it as a comment in the activity**

What is the physical address of variable b?

7\*8= 56

56+0 = 56

What is the page+offset of the letter m? 4+3

What is the frame+offset of the letter l? 0+5

What is the physical address of \*(c+3)?

0\*8=0

0+3=3

Consider int \*d=&b;

What is the physical address of \*(d+2)?

0\*8

0+4=4