Text of exercise #3

Matteo Corain S256654

Laboratory #4 – System and device programming – A.Y. 2018-19

Write another file `main1.c` that:

- Writes the page number on the first address of each page;
- Prints the content of the content of the first address of all mapped pages (the number information is the one derived from previous main). Ex.:

```
Ptr 0x0 (page 0) contains 0
Ptr 0x1000 (page 1) contains 1
```

- Swaps frame 0 and 1 in the page table;
- Prints the content of the first address of these pages, so that you should obtain an output such as:

```
Page 0 now contains 1
Page 1 now contains 0
```

Produce a report that illustrates the data structure of the directory page table and page table, and the functions that you have used. Use figures and tables to make your report easily readable.