

CS444/544

Operating Systems II

Linked List

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How to build a linked list?

- Start with NULL at the head
 - `page_free_list = NULL;`
- After set `pp_ref` of all pages, do something like the following..

This will build a linked list...

```
for (int i=0; i < npages; ++i) {  
    if (pages[i].pp_ref == 0) {  
        pages[i].pp_link = page_free_list;  
        page_free_list = &pages[i];  
    }  
}
```

List Building

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page_free_list → NULL



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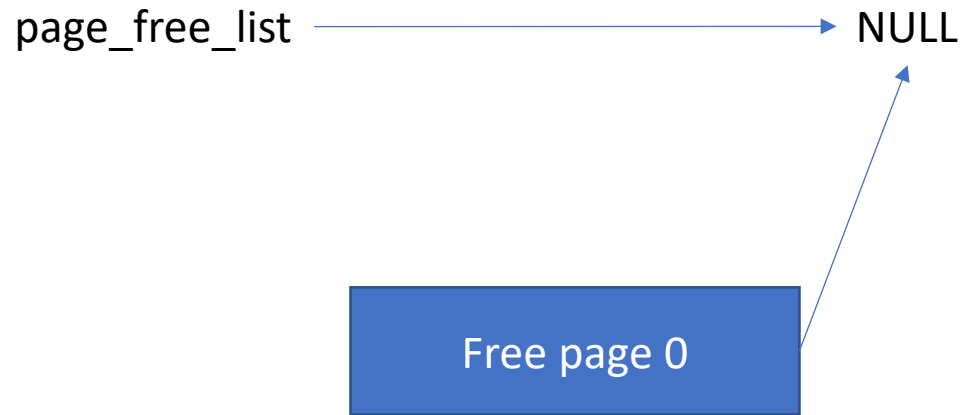
Free page 0



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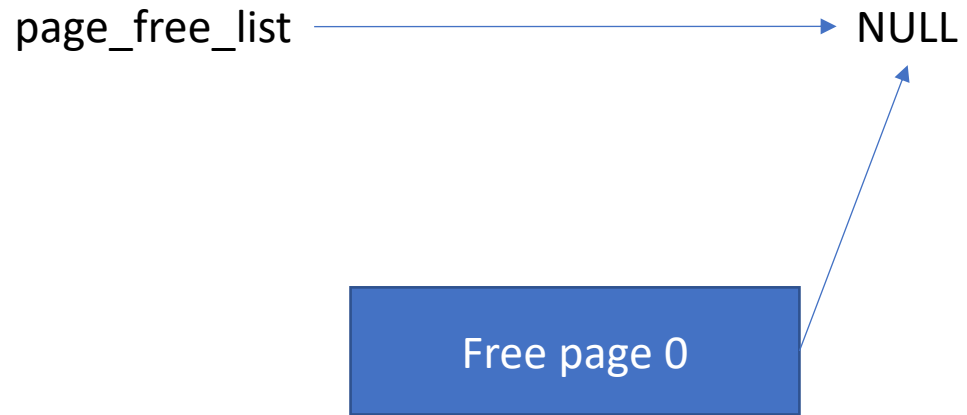
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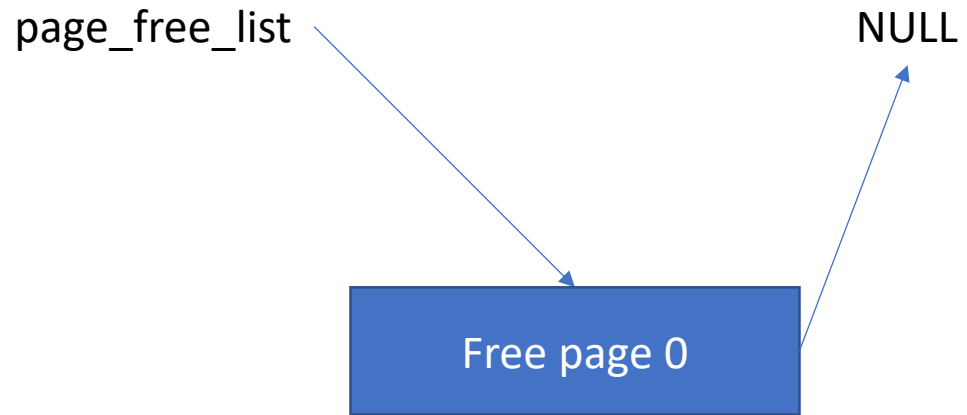
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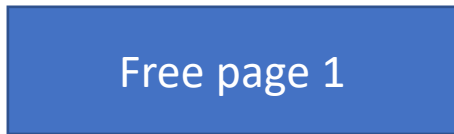
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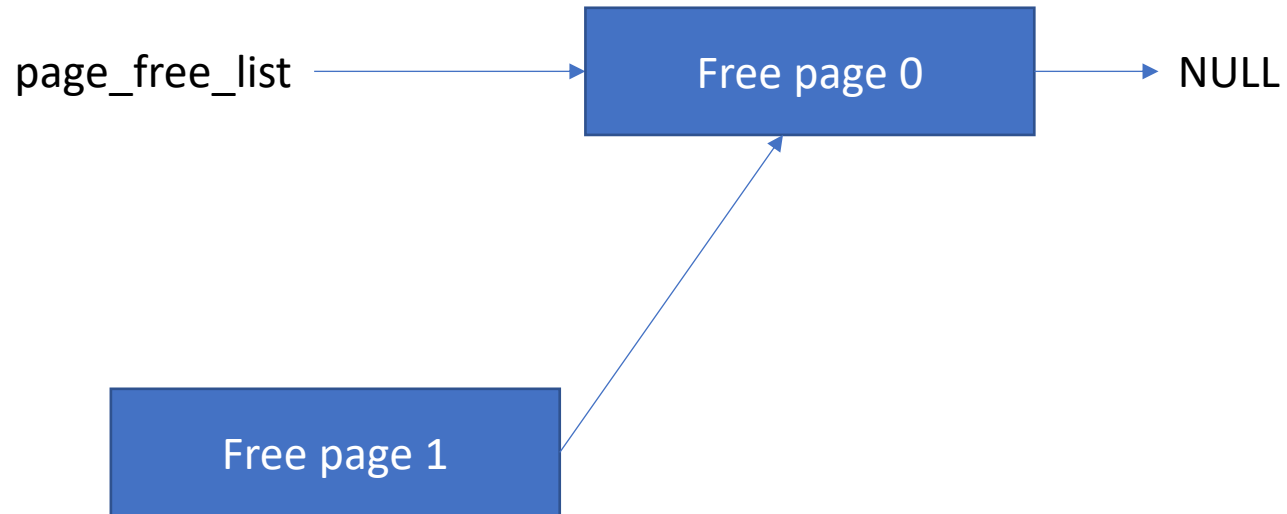
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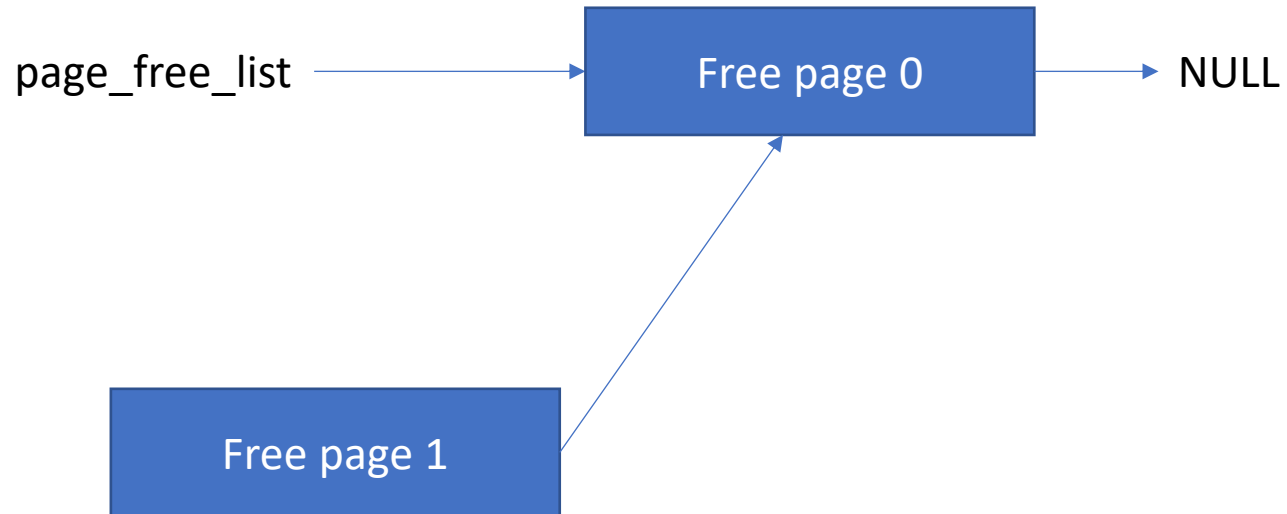
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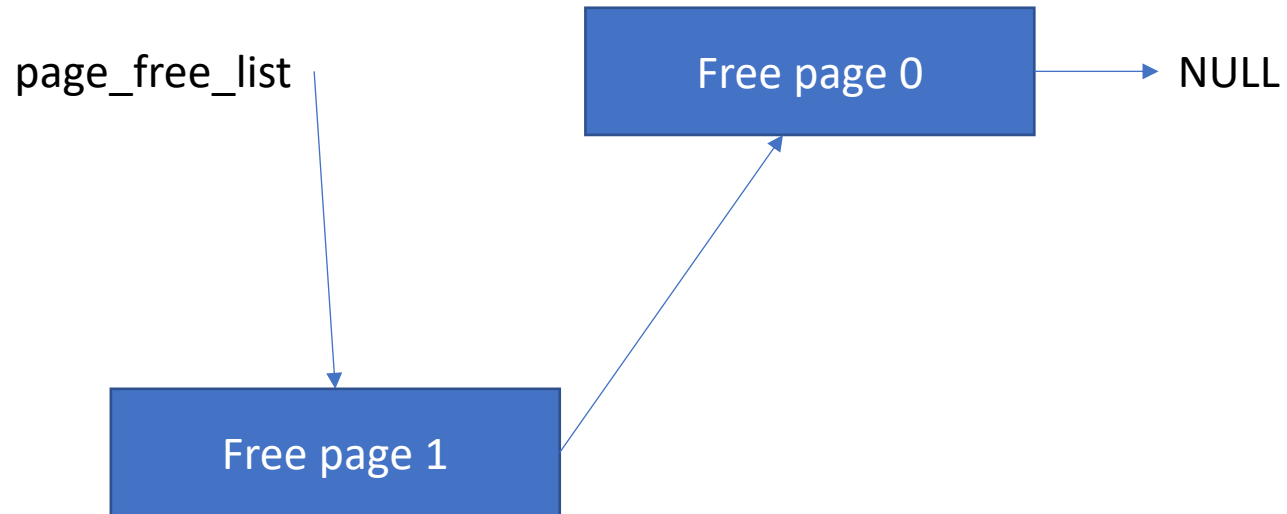
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