

COMP20005 Week 7

Revise

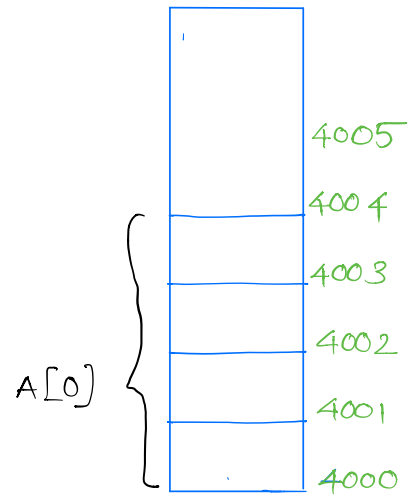
- Array
- Pointer arithmetic

Discuss

- Exercise 7.1, 7.2 & 7.3.

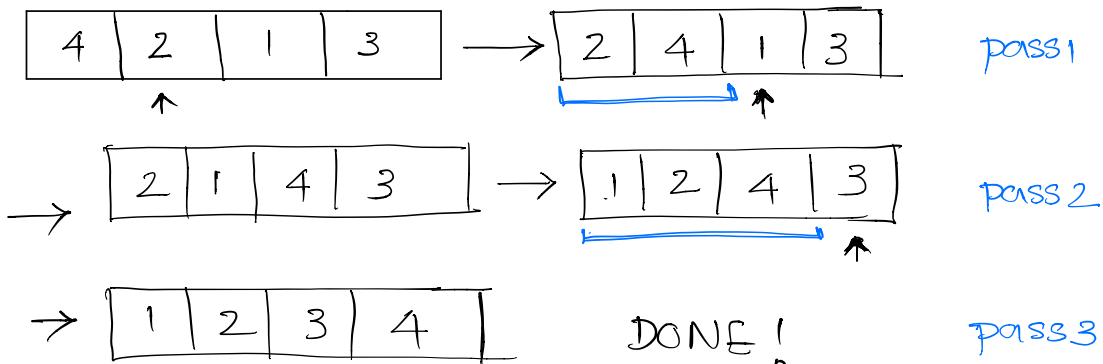
Array

`int A[5];`
 $\begin{matrix} *(A+0) & *(A+1) & *(A+2) & & *(A+4) \\ \boxed{A[0]} & \boxed{A[1]} & \boxed{A[2]} & \boxed{A[3]} & \boxed{A[4]} \end{matrix}$
 $A \equiv \& A[0]$



$A+1 \equiv A + 1 * \text{sizeof}(\text{int})$ \xrightarrow{A} *const. pointer

Insertion Sort



reduce_int_array (int A[], int n)

