

Example:

- **Sort the following array items using quick sort algorithm:
 $A=\{5,3,1,9,8,2,4,7\}$.**

algorithm:

- **For quick sort, we have to pick a pivot element, which is random...**
- **Now, the rule is that:**
- **Keep incrementing i until $A[i] \geq \text{Pivot}$; and**
- **Keep decrementing j until $A[j] \leq \text{Pivot}$;**
- **Then swap these two numbers**









