

### HW3: nth\_element

You have an array of integer numbers A. You want to have a function

```
int nth_element(int[] A, int n)
```

which must return n-th smallest element from array A i.e. the value of A[n] after sorting array A. You need to write code which will accomplish with  $O(N \log N)$  or better time complexity, where N is the size of array A.

Please do not blindly copy the code from internet.