SELECTION SORT $O(n^2)$ front ← Smallest Element

NOTE - There will be 1 swap per 1 iteration

7	8	3	1	2
0	1	2	3	4

LOOP 1 -

7 8 3 1 2 // comparing which is smallest

Smallest = 0[7]
2[3]
3[1] → Swap this now with 1st position

= 1 8 3 7 2

LOOP 2 -

1 8 3 7 2

Smallest = 1[8]
2[3]
4[2]

= 1 2 3 7 8

LOOP 3 -

1 2 3 7 8

Smallest = 2[3] = 1 2 3 7 8

LOOP 4 -

1 2 3 7 8

Smallest = 3[7] = 1 2 3 7 8

LOOP 5 -

1 2 3 7 8

Smallest = 4[8] = **1 2 3 7 8**

https://bitbucket.org/arvind_menon/java-practice/src/a1f31bdf55f05eed5486dba680f5cb3837c1ed46/Sorting.java?at=master