SORT (Arrange/Order) ELEMENTS OF AN ARRAY IN ASCENDING ORDER

i < noe (Generalized)

i < 5

for (i=1;i <= 4;i++)

{

noe-1 will compare 4 pairs always

but noe-i will compare 1 pair less in every next

iteration of var i

j < 5 – 1 (noe – 1)🡪 noe - i

j < 4

for (j=0;j <= 3;j++)

{

if (nos[j] > nos[j+1])

// swap

}

}

Dry Run

i=1, j=0,1,2,3, No of pairs compared = 4

i=2, j=0,1,2, NOP = 3

i=3, j=0,1 NOP = 2

i=4, j=0 NOP = 1

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**IV**

**III**

**II**

**I**

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