

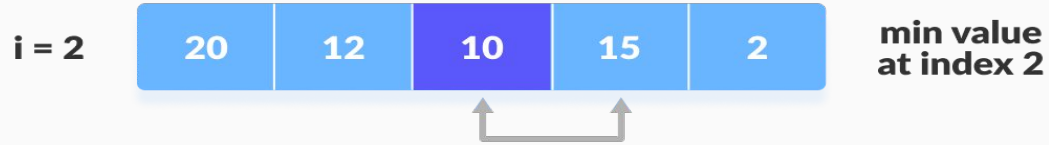
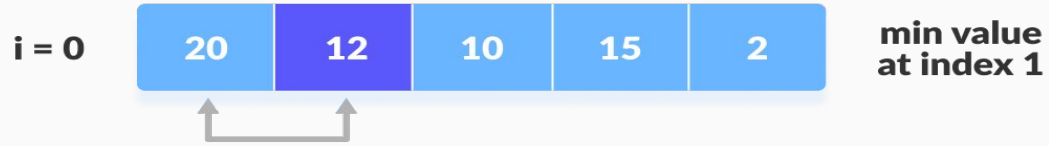
Sorting



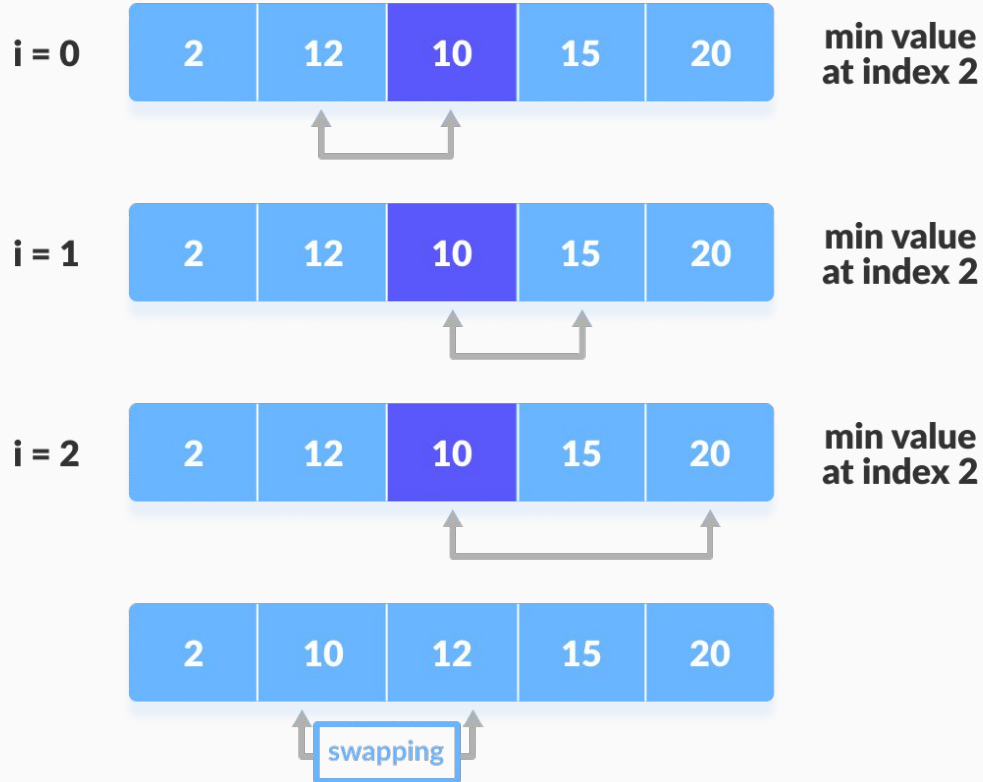
Selection Sort



step = 0



step = 1



step = 2

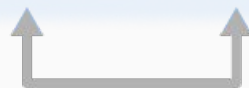


step = 3

i = 0



**min value
at index 3**



already in place

Bubble Sort

Step -1

i = 0

1	4	2	5	-2	3
---	---	---	---	----	---



i = 1

1	4	2	5	-2	3
---	---	---	---	----	---



i = 2

1	2	4	5	-2	3
---	---	---	---	----	---



i = 3

1	2	4	5	-2	3
---	---	---	---	----	---



i = 4

1	2	4	-2	5	3
---	---	---	----	---	---



1	2	4	-2	3	5
---	---	---	----	---	---

Step -2

i = 0

1	2	4	-2	3	5
---	---	---	----	---	---



i = 1

1	2	4	-2	3	5
---	---	---	----	---	---



i = 2

1	2	4	-2	3	5
---	---	---	----	---	---



i = 3

1	2	-2	4	3	5
---	---	----	---	---	---



1	2	-2	3	4	5
---	---	----	---	---	---

Step -3

i = 0

1	2	-2	3	4	5
---	---	----	---	---	---



i = 1

1	2	-2	3	4	5
---	---	----	---	---	---



i = 2

1	-2	2	3	4	5
---	----	---	---	---	---



1	-2	2	3	4	5
---	----	---	---	---	---

Step -4

i = 0

1	-2	2	3	4	5
---	----	---	---	---	---



i = 1

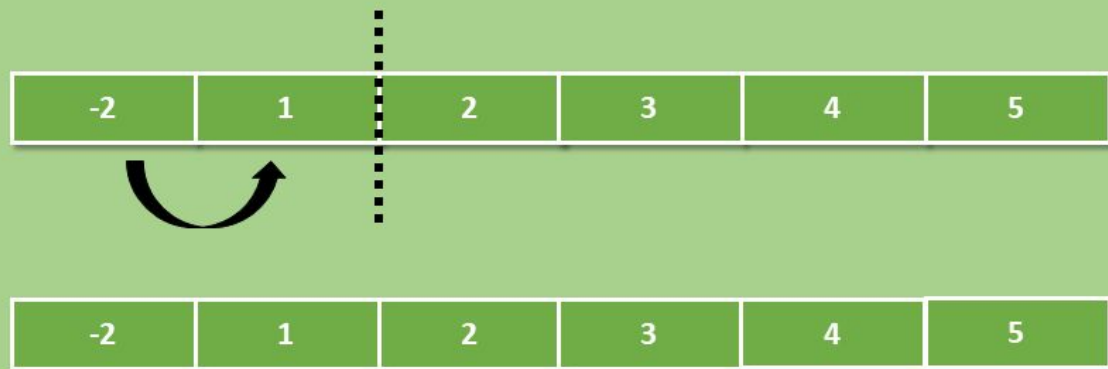
-2	1	2	3	4	5
----	---	---	---	---	---



-2	1	2	3	4	5
----	---	---	---	---	---

Step -5

$i = 0$



Insert Sort

Insertion Sort

