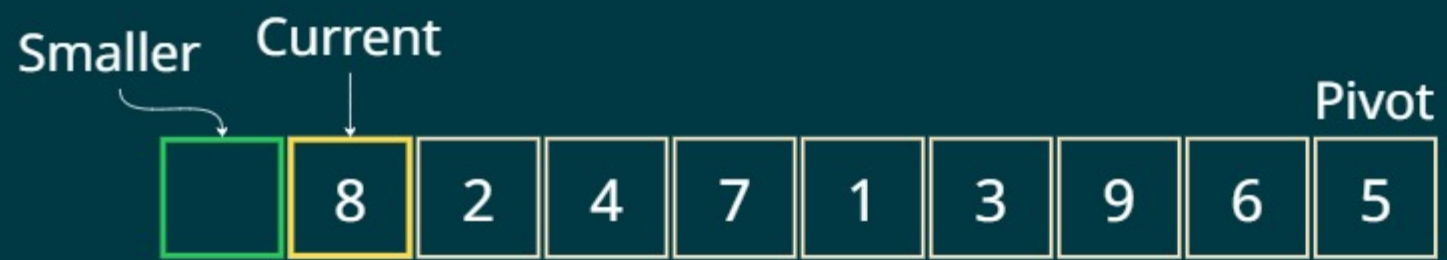
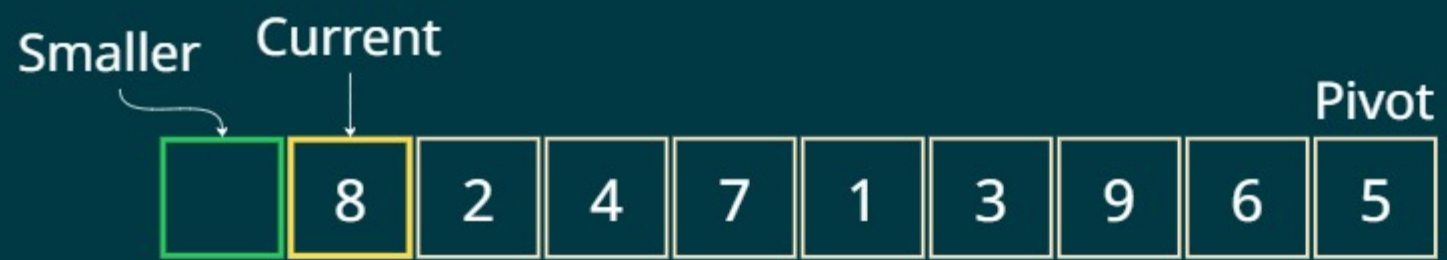


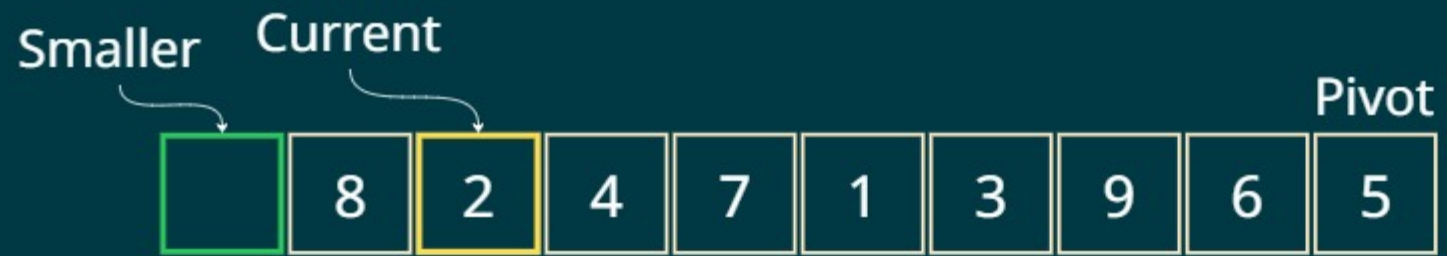
## Quick Sort

Pivot

8	2	4	7	1	3	9	6	5
---	---	---	---	---	---	---	---	---







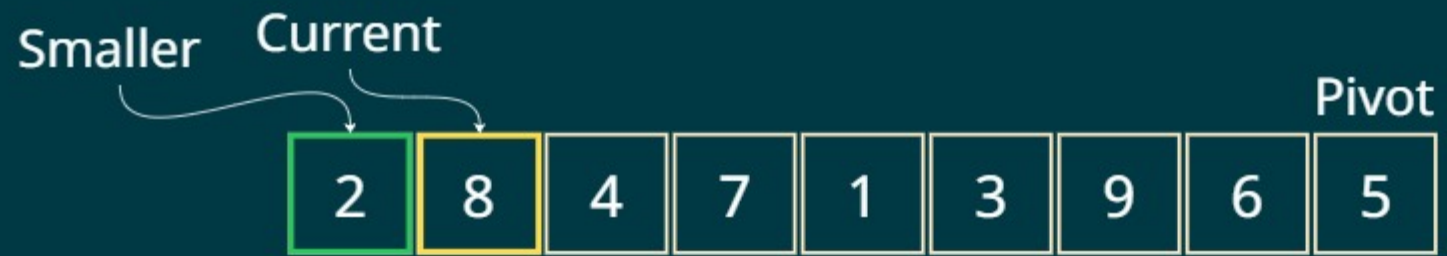
Current < Pivot?

No => Increment Current

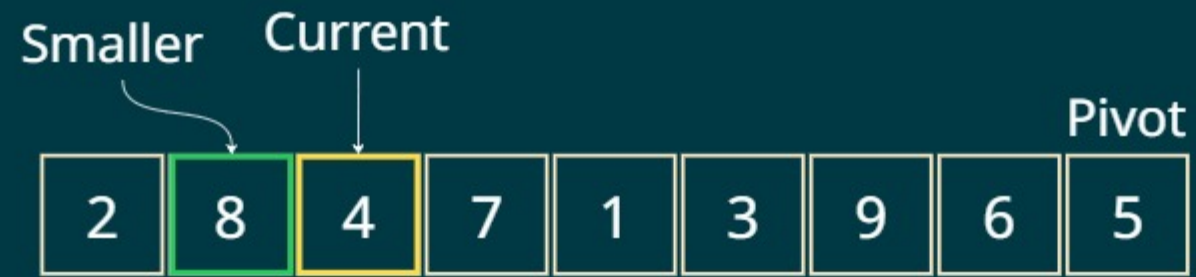


Current < Pivot?

Yes => Increment Smaller



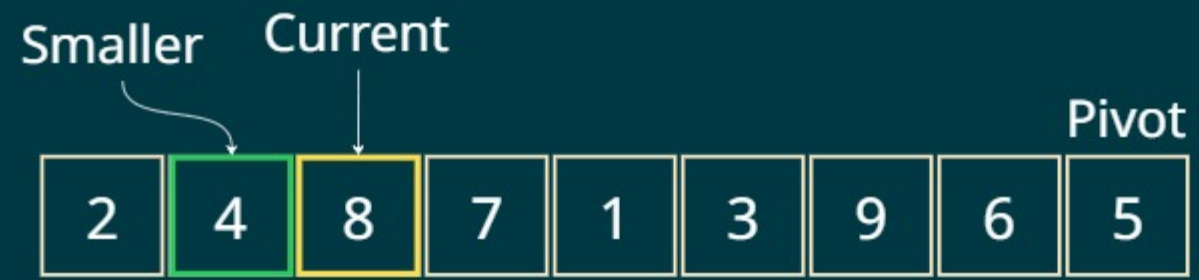
Swap Smaller with Current



Increment Current

Current < Pivot?

Yes => Increment Smaller



Swap Smaller with Current

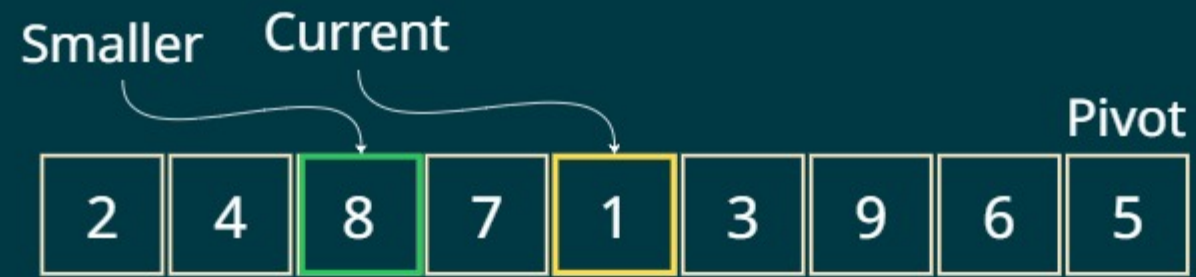




Increment Current

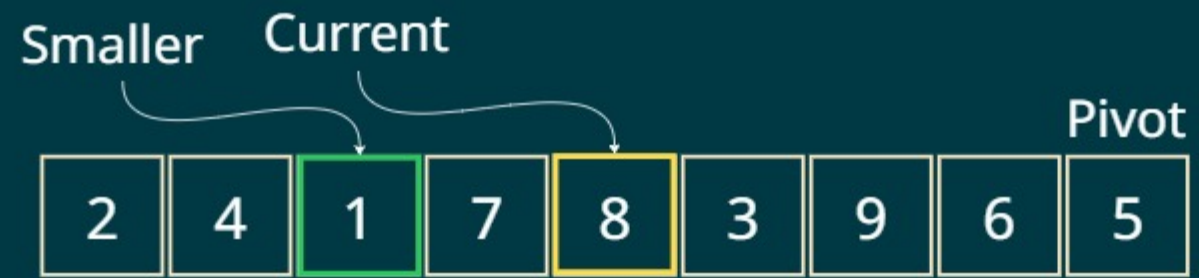
Current < Pivot?

No=> Increment Current



Current < Pivot?

Yes => Increment Smaller



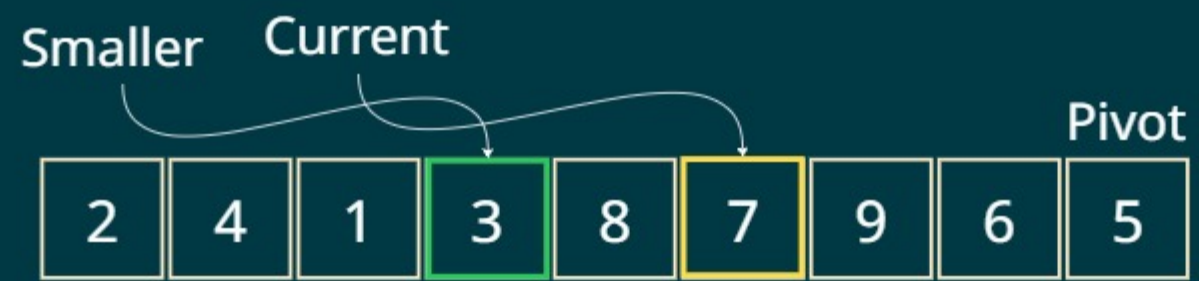
Swap Smaller with Current



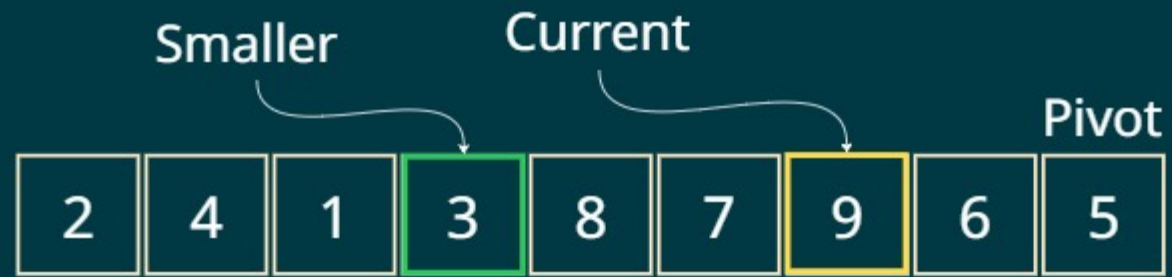
Increment Current

Current < Pivot?

Yes=> Increment Smaller



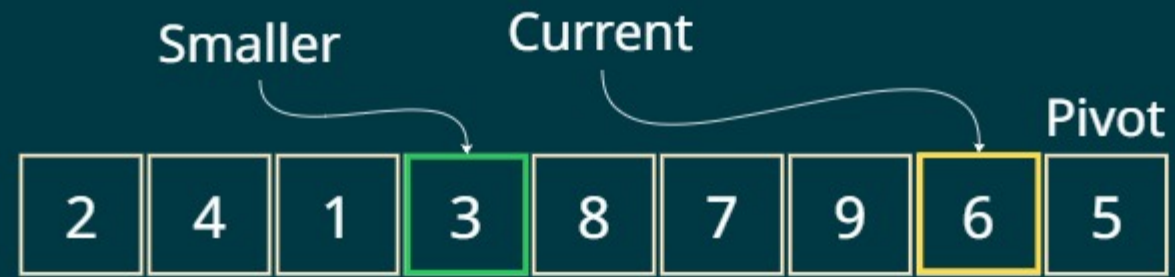
Swap Smaller with Current



Increment Current

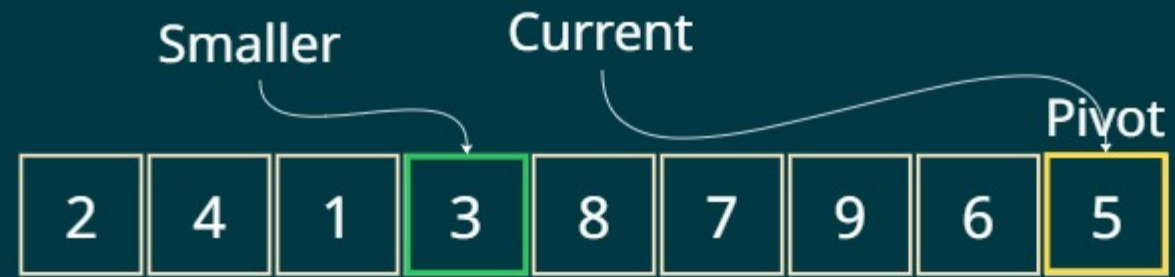
Current < Pivot?

No=> Increment Current



Current < Pivot?

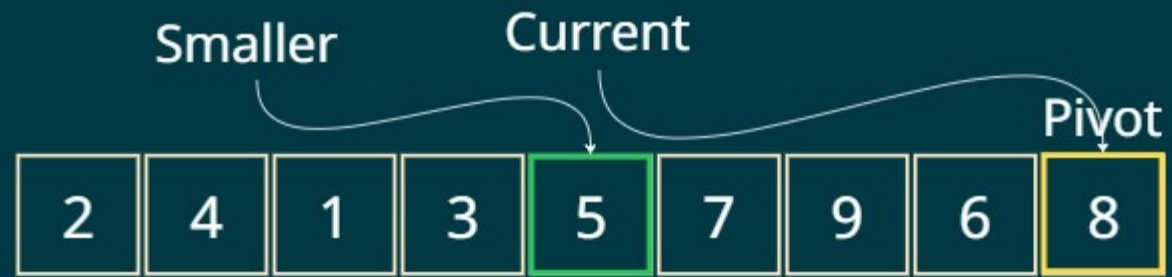
No=> Increment Current



Current < Pivot?

No=> Increment Current

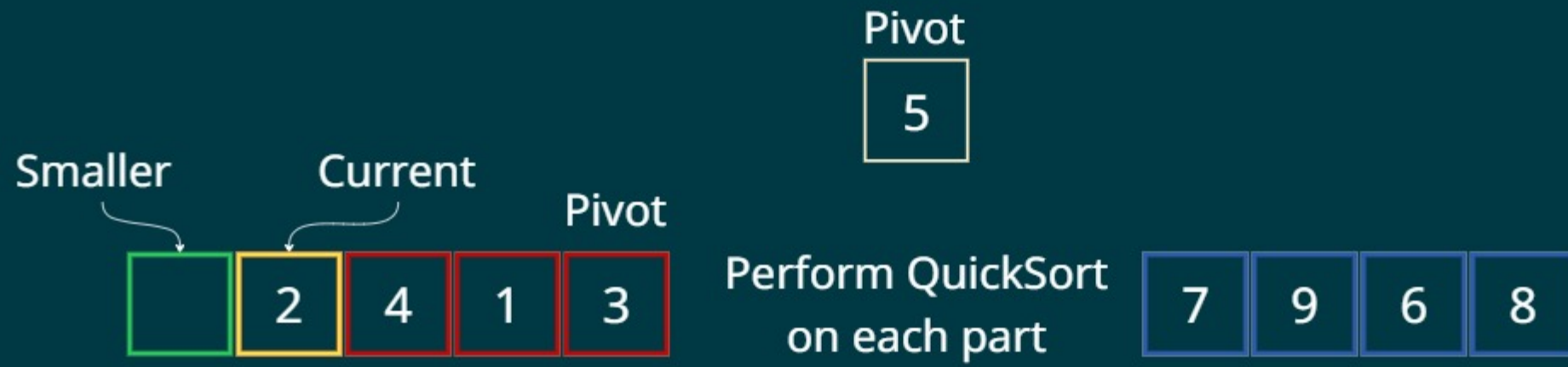


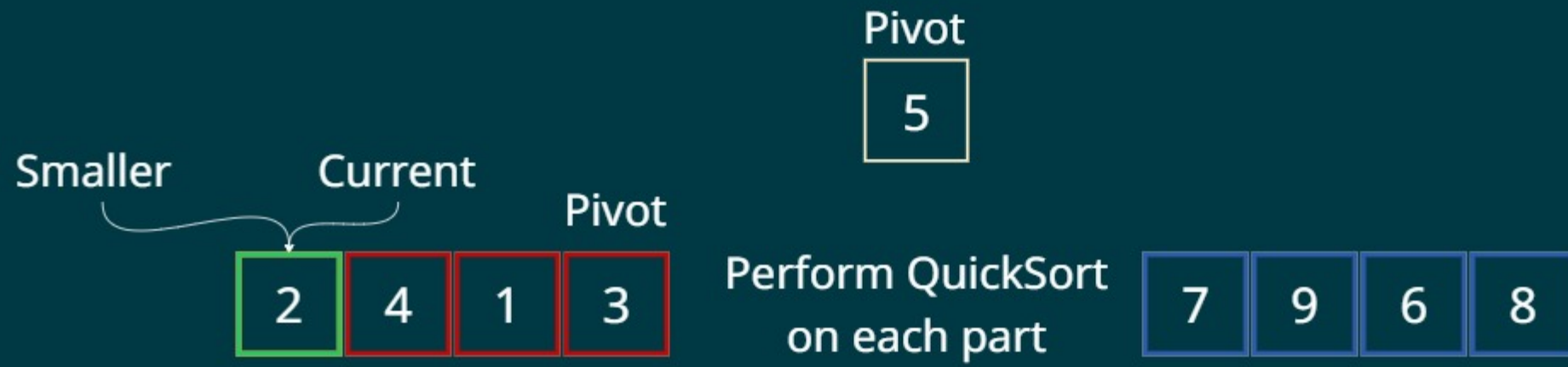


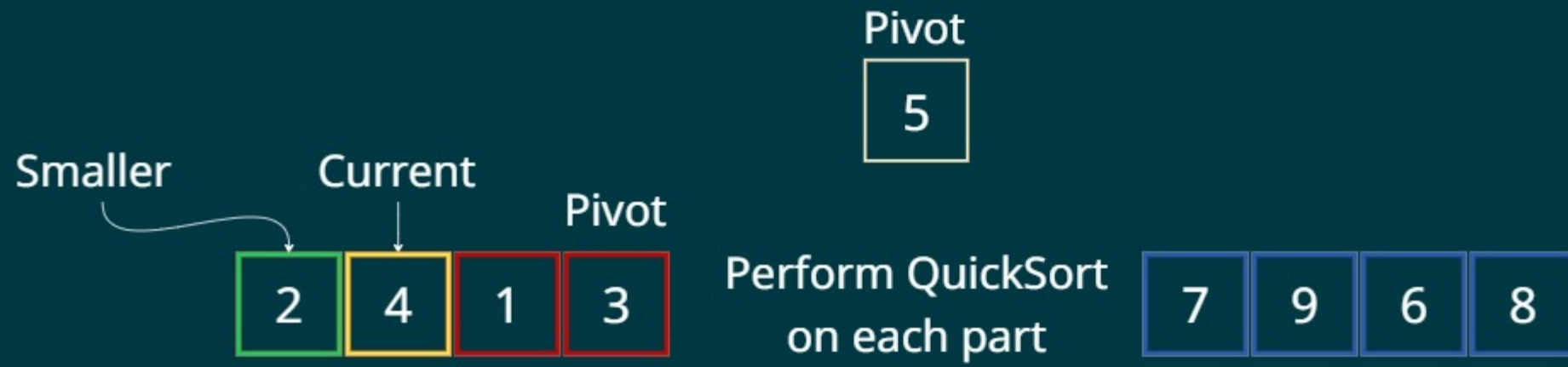
Increment Smaller  
Swap Smaller with Pivot

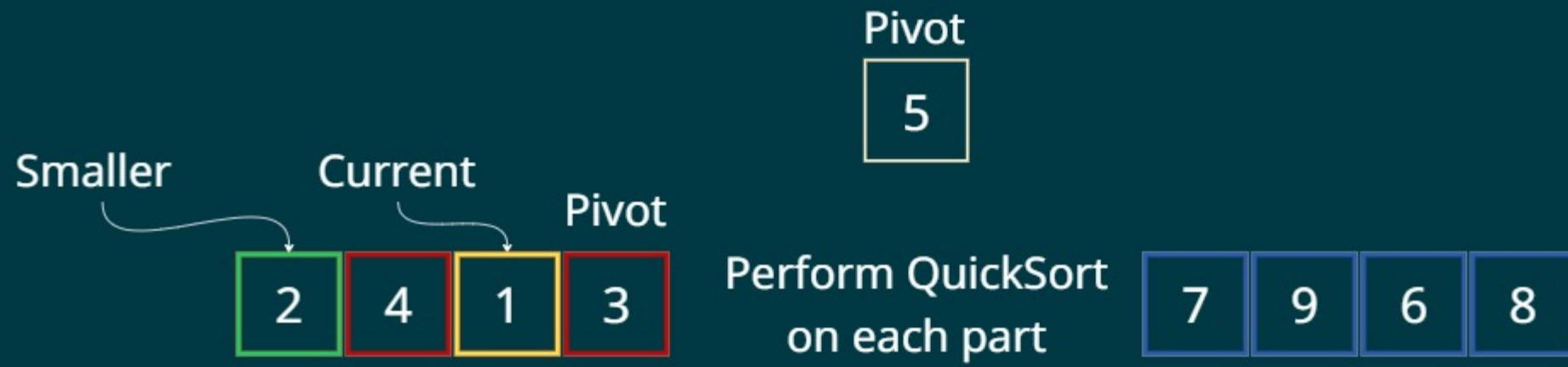


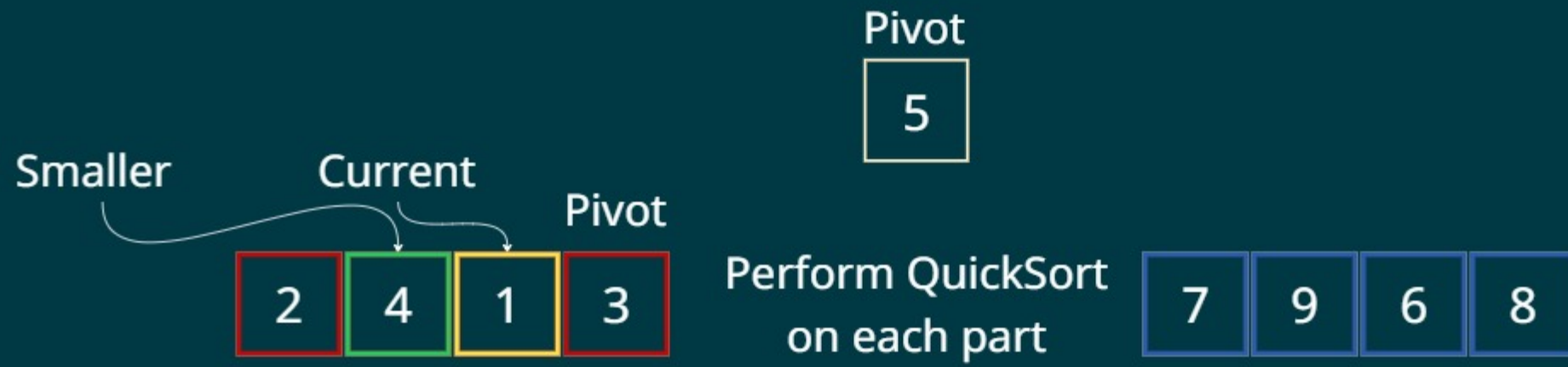
Partition the array

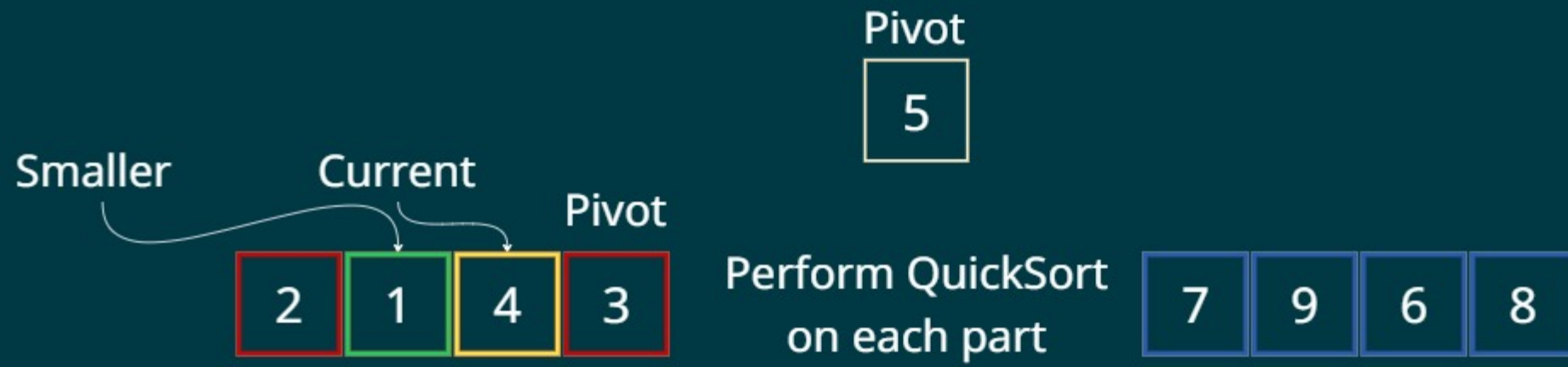




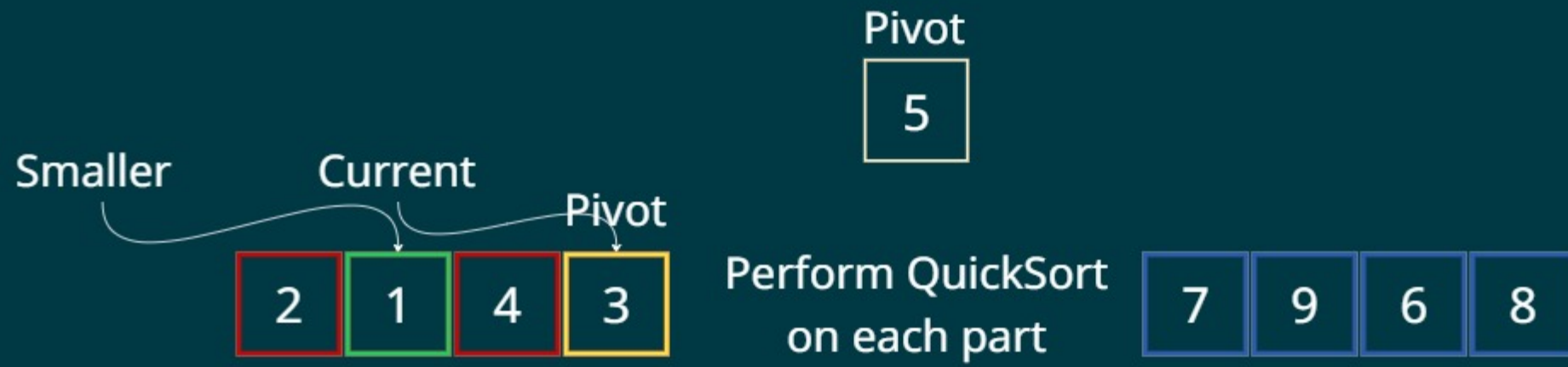


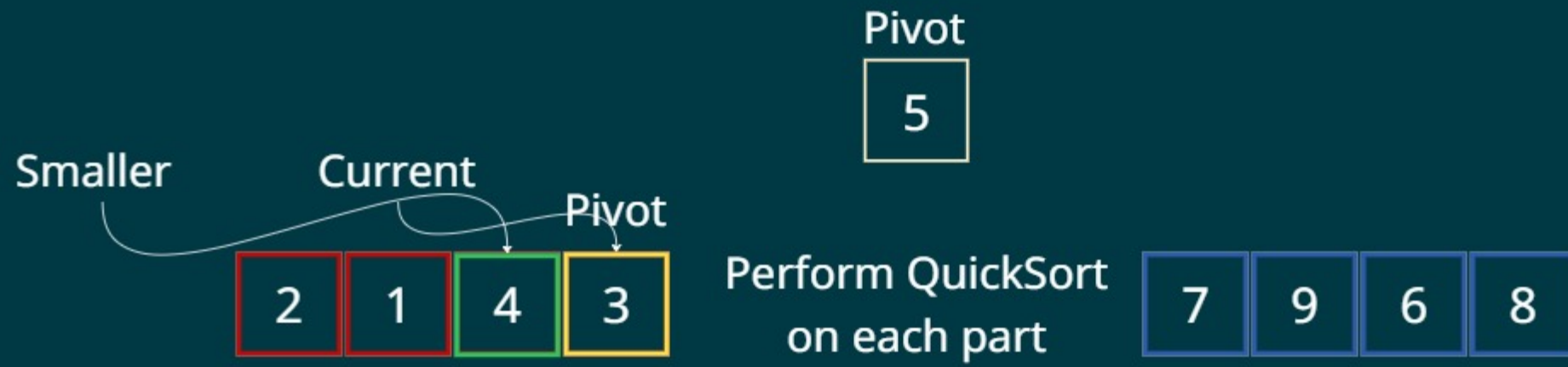


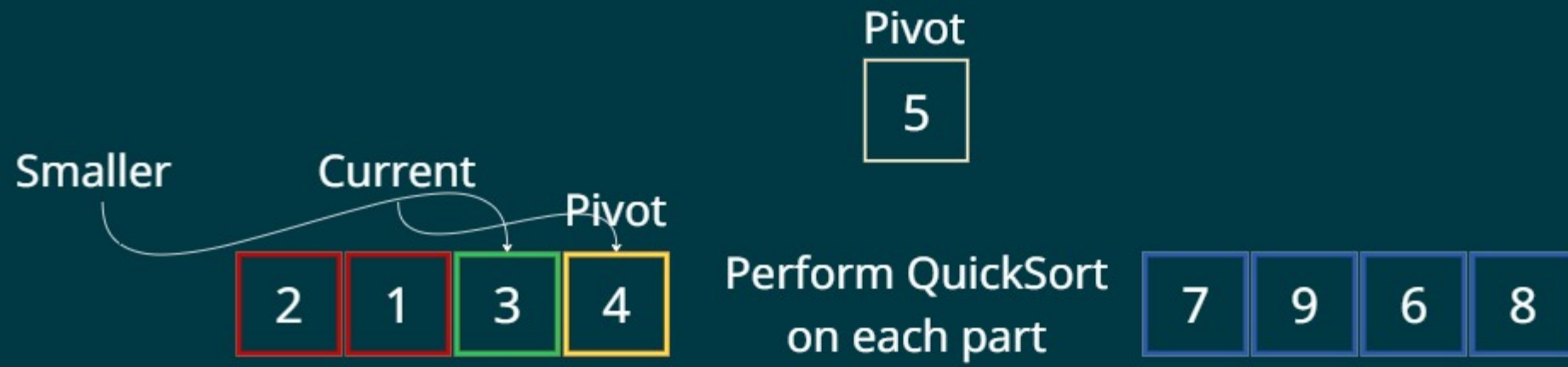












Pivot

5

Pivot

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

Partition the array

7	9	6	8
---	---	---	---

Pivot

5

Pivot

3

Smaller

Current

Pivot

2 1

4

Perform QuickSort  
on each part

7 9 6 8

Pivot

5

Pivot

3

Smaller

Current

Pivot

2 1

4

Perform QuickSort  
on each part

7 9 6 8

Pivot

5

Pivot

3

Smaller

Current

Pivot

2

1

4

Perform QuickSort  
on each part

7

9

6

8

Pivot

5

Pivot

3

Smaller

Current

Pivot

1

2

4

Perform QuickSort  
on each part

7

9

6

8



Pivot

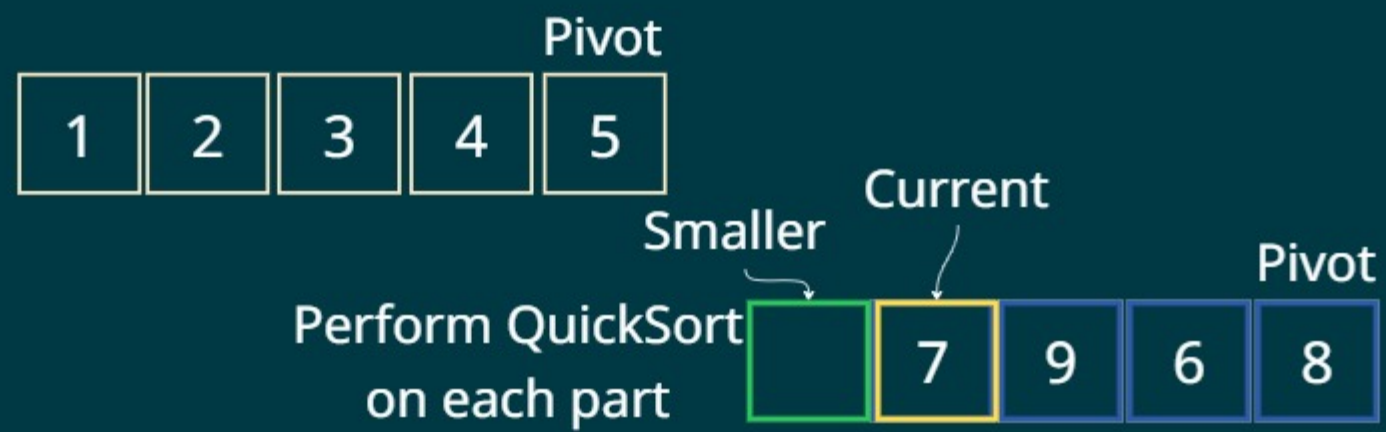
5

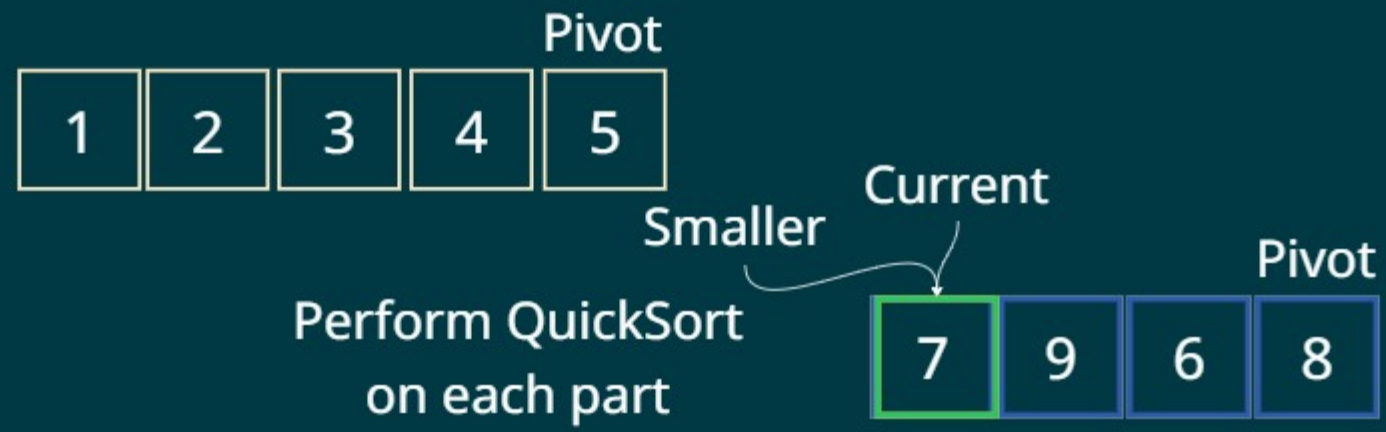
Pivot

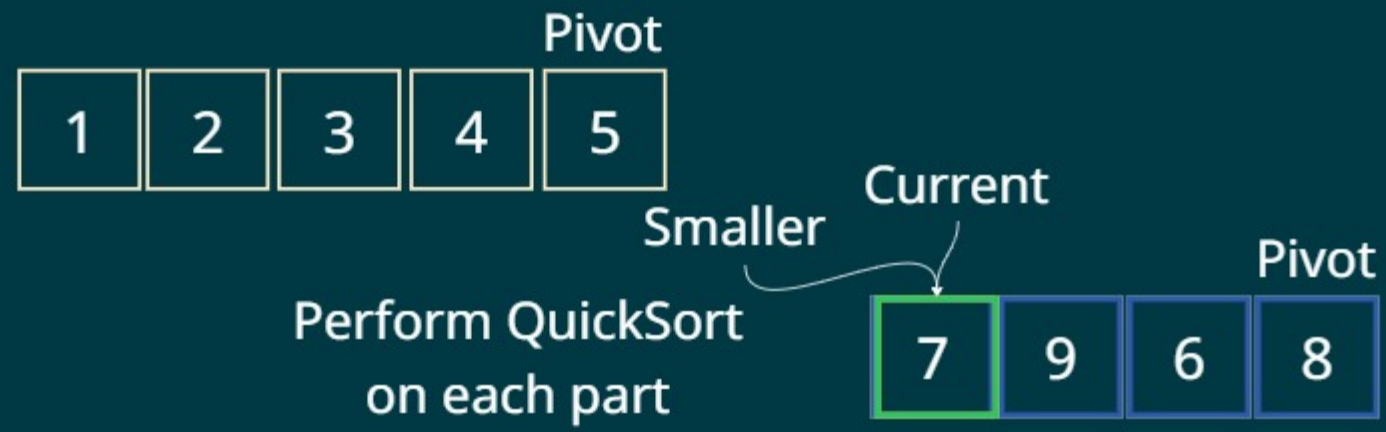
1 2 3 4

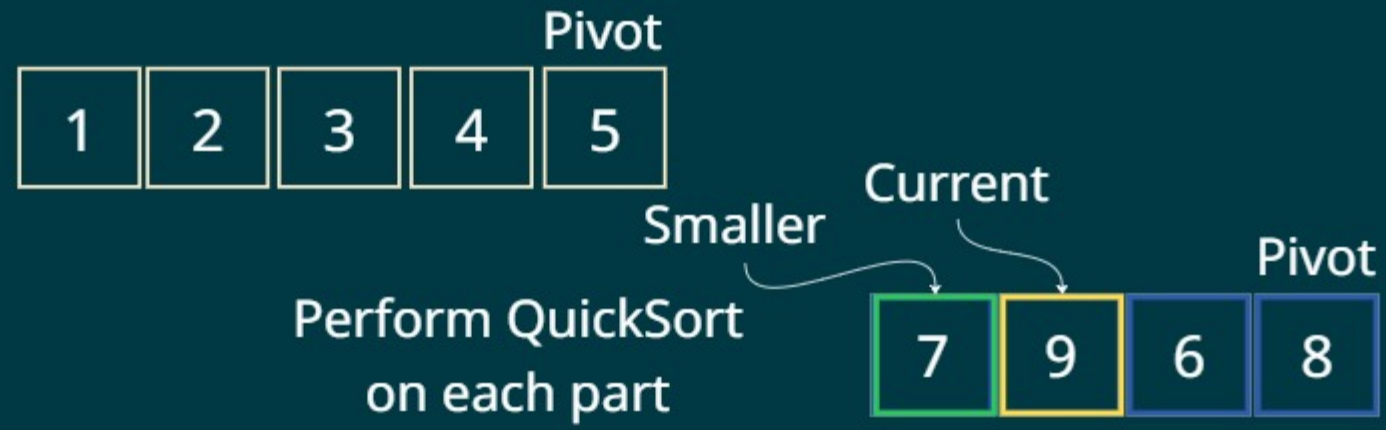
Perform QuickSort  
on each part

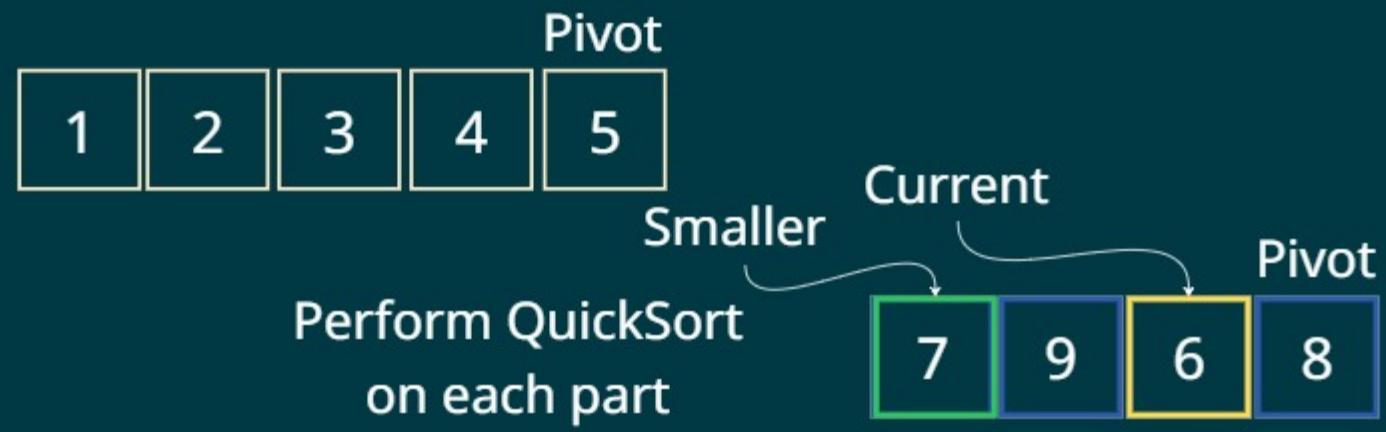
7 9 6 8

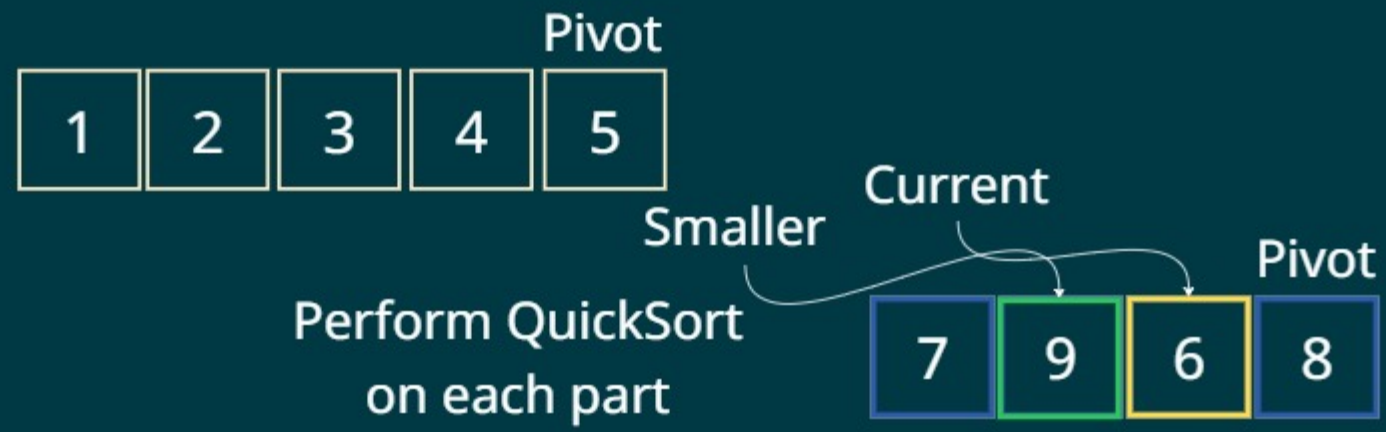






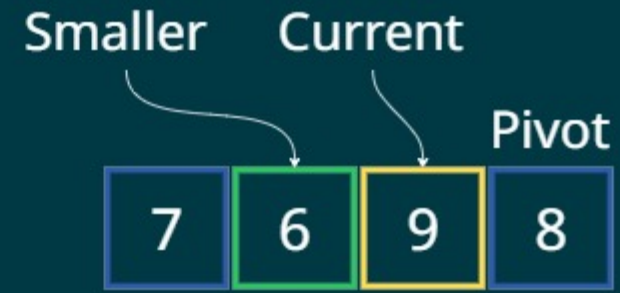








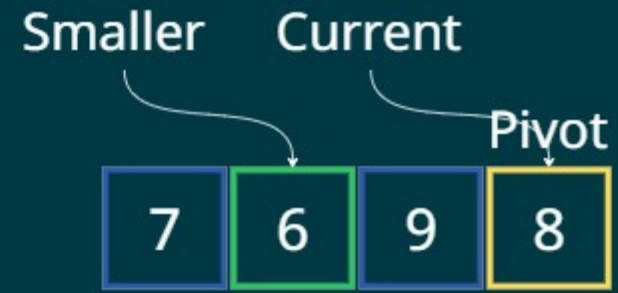
Perform QuickSort  
on each part





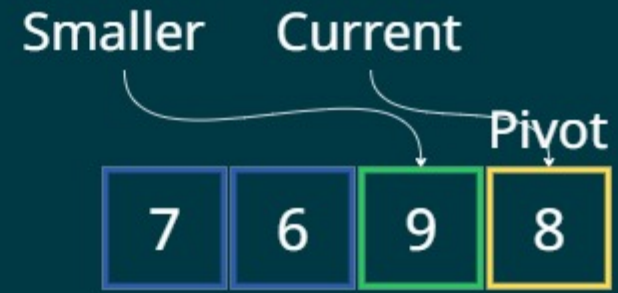


Perform QuickSort  
on each part



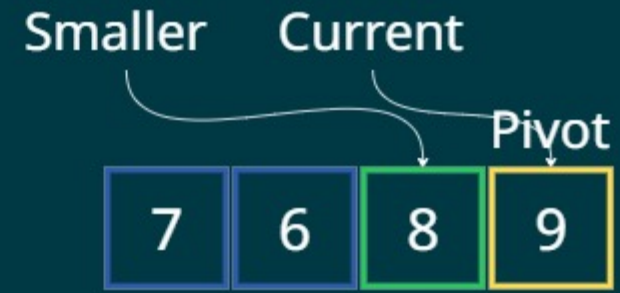


Perform QuickSort  
on each part





Perform QuickSort  
on each part



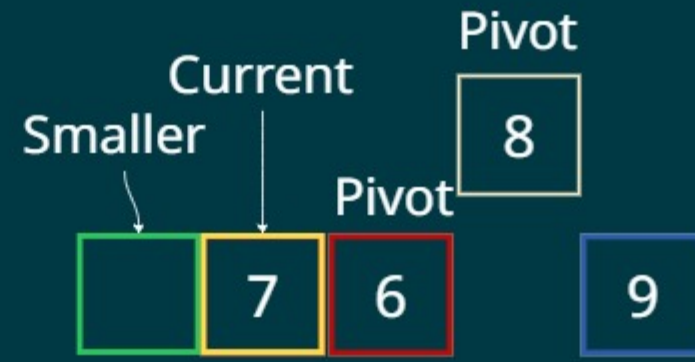


Perform QuickSort  
on each part



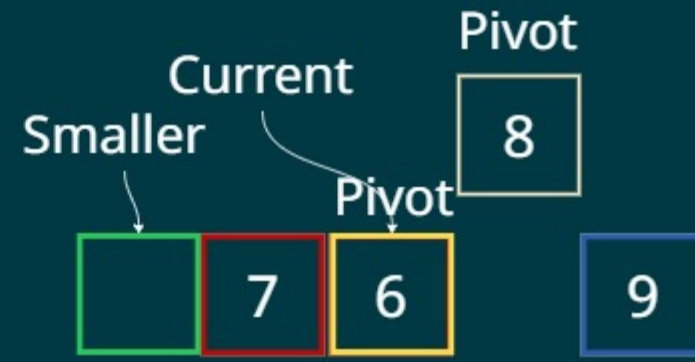


Perform QuickSort  
on each part



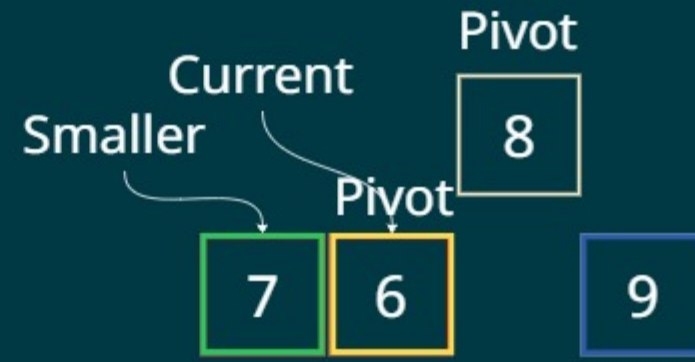


Perform QuickSort  
on each part



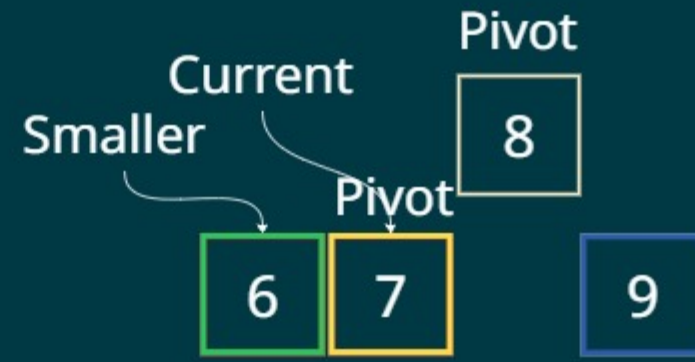


Perform QuickSort  
on each part





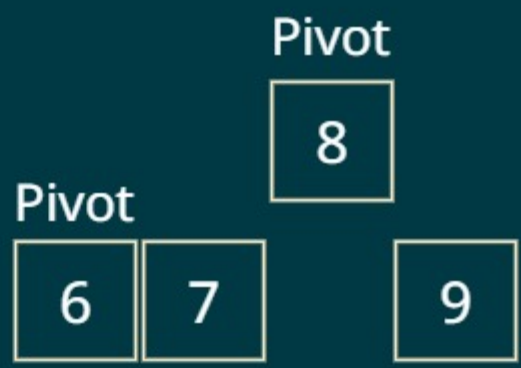
Perform QuickSort  
on each part







Perform QuickSort  
on each part





Perform QuickSort  
on each part



Pivot

1	2	3	4	5	6	7	8	9
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Sorting Complete