

Merge Sort

3	7	8	5	4	2	6	1
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Start

End

3	7	8	5	4	2	6	1
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Split the Array

Start

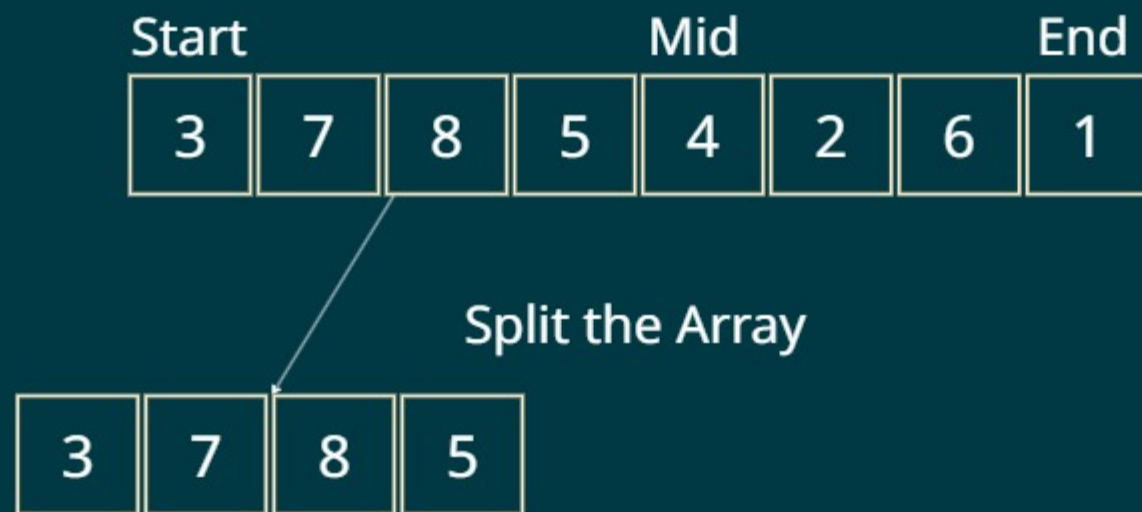
Mid

End

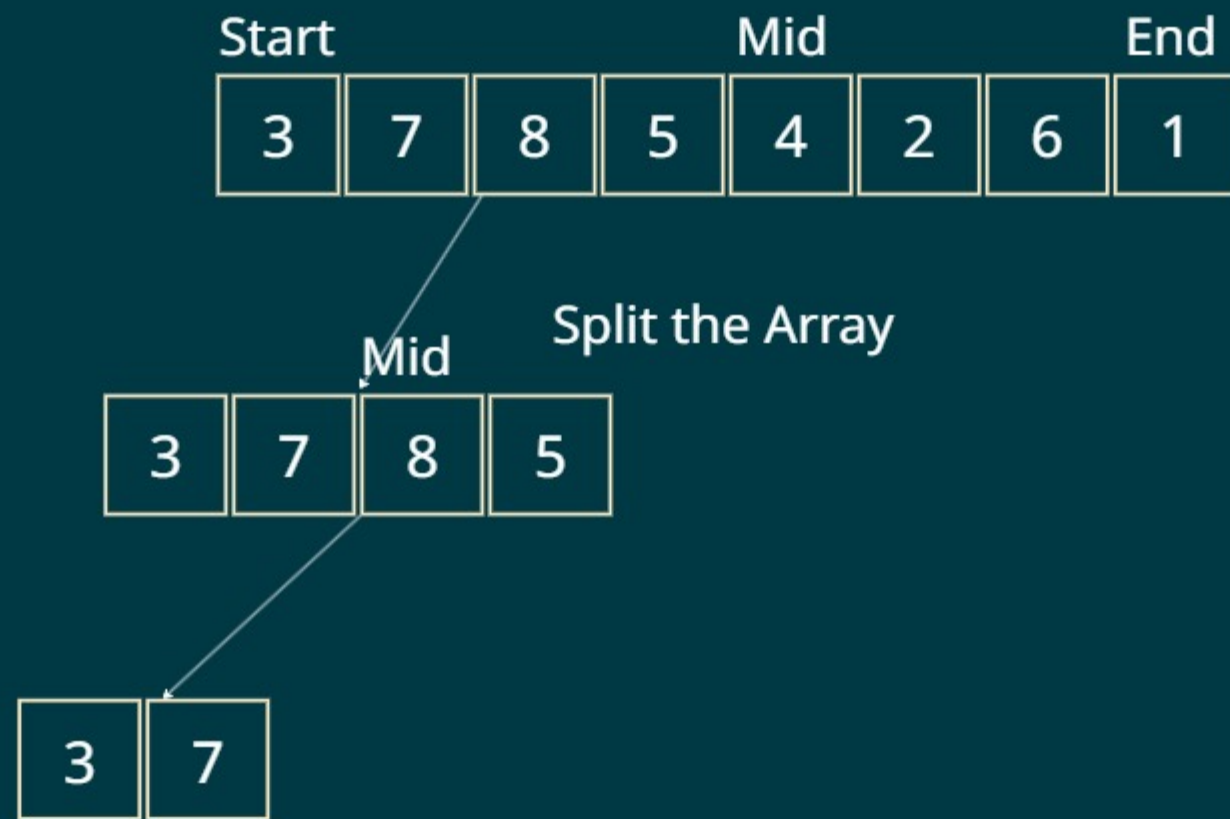
Mid = length/2

3	7	8	5	4	2	6	1
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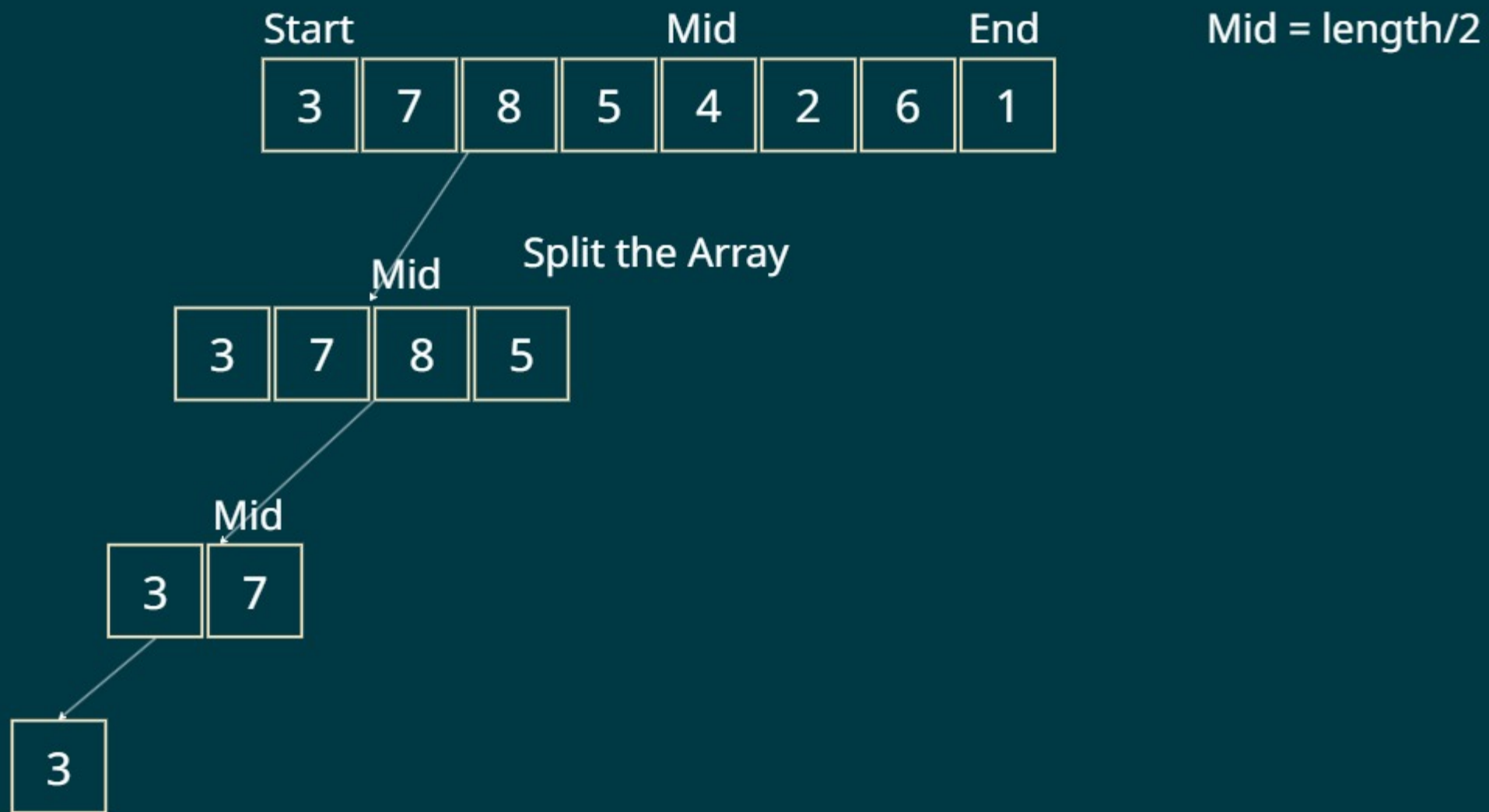
Split the Array

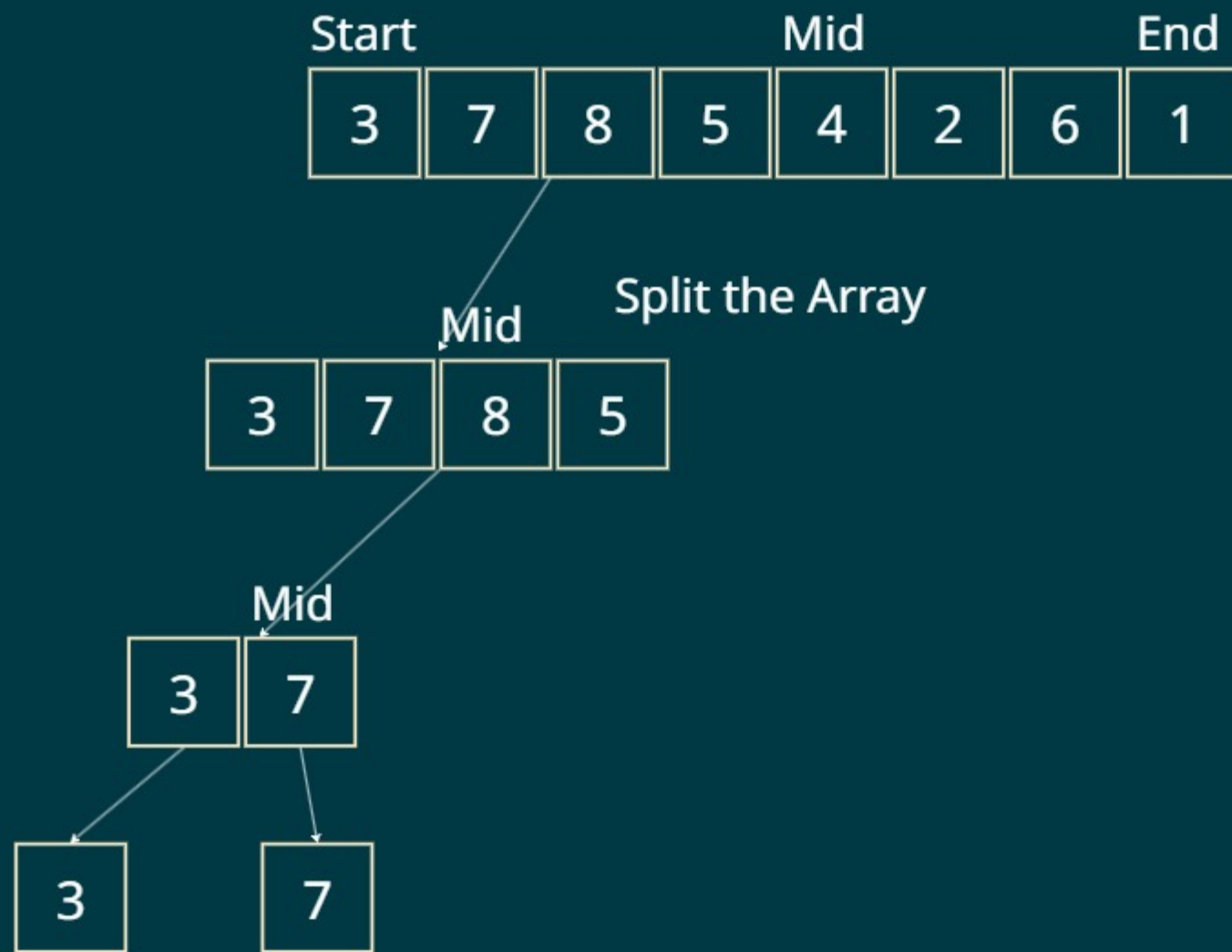


Mid = length/2



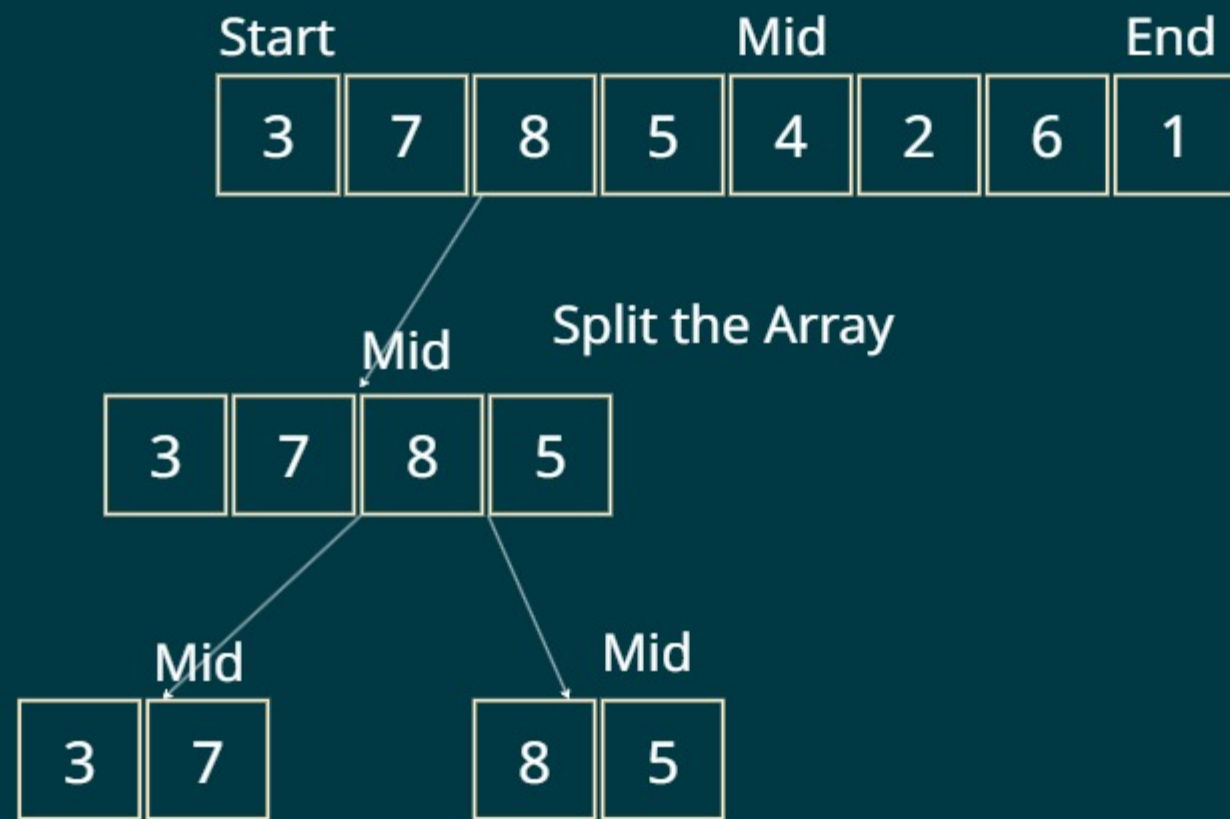
Mid = length/2



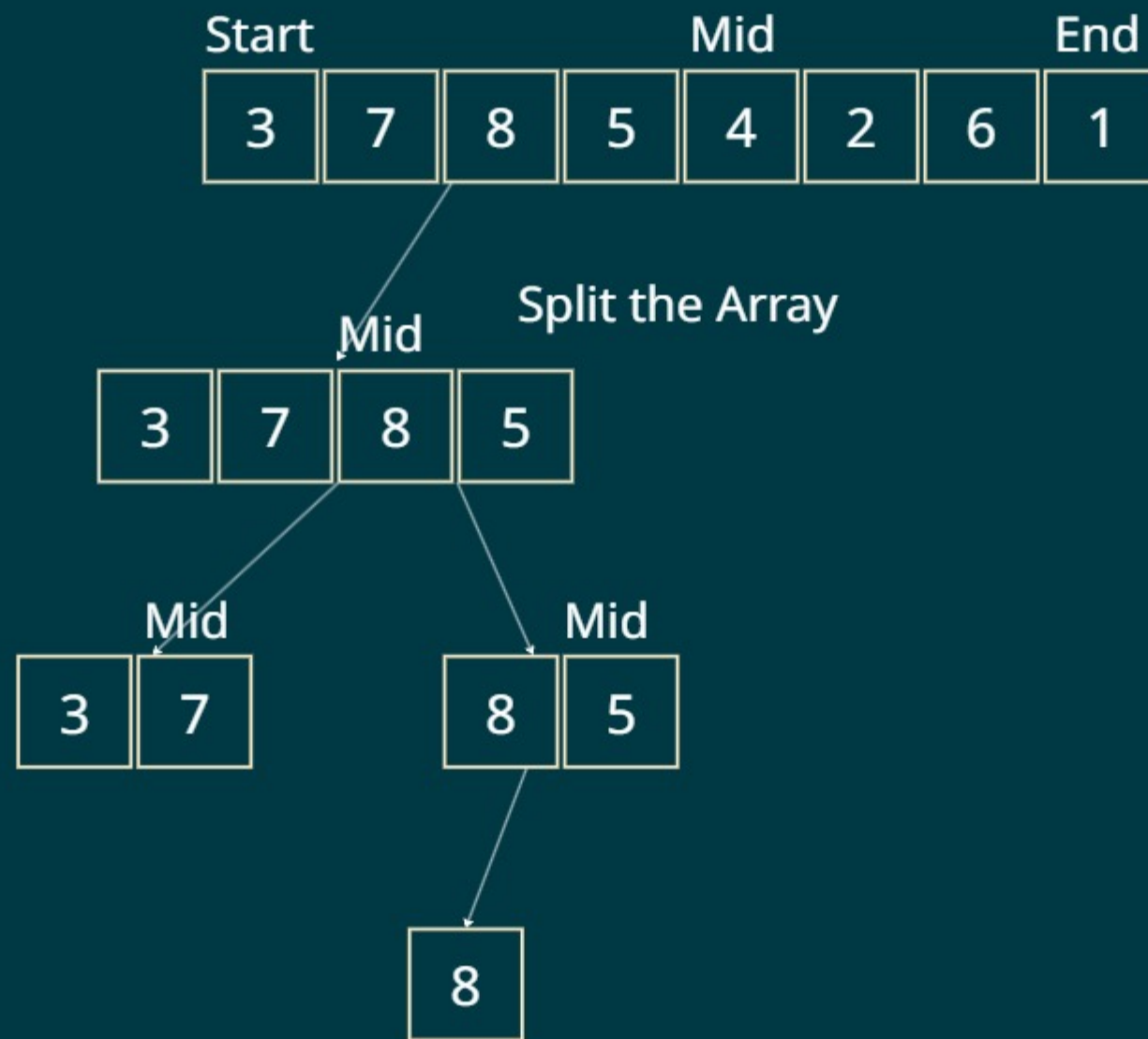


Mid = length/2

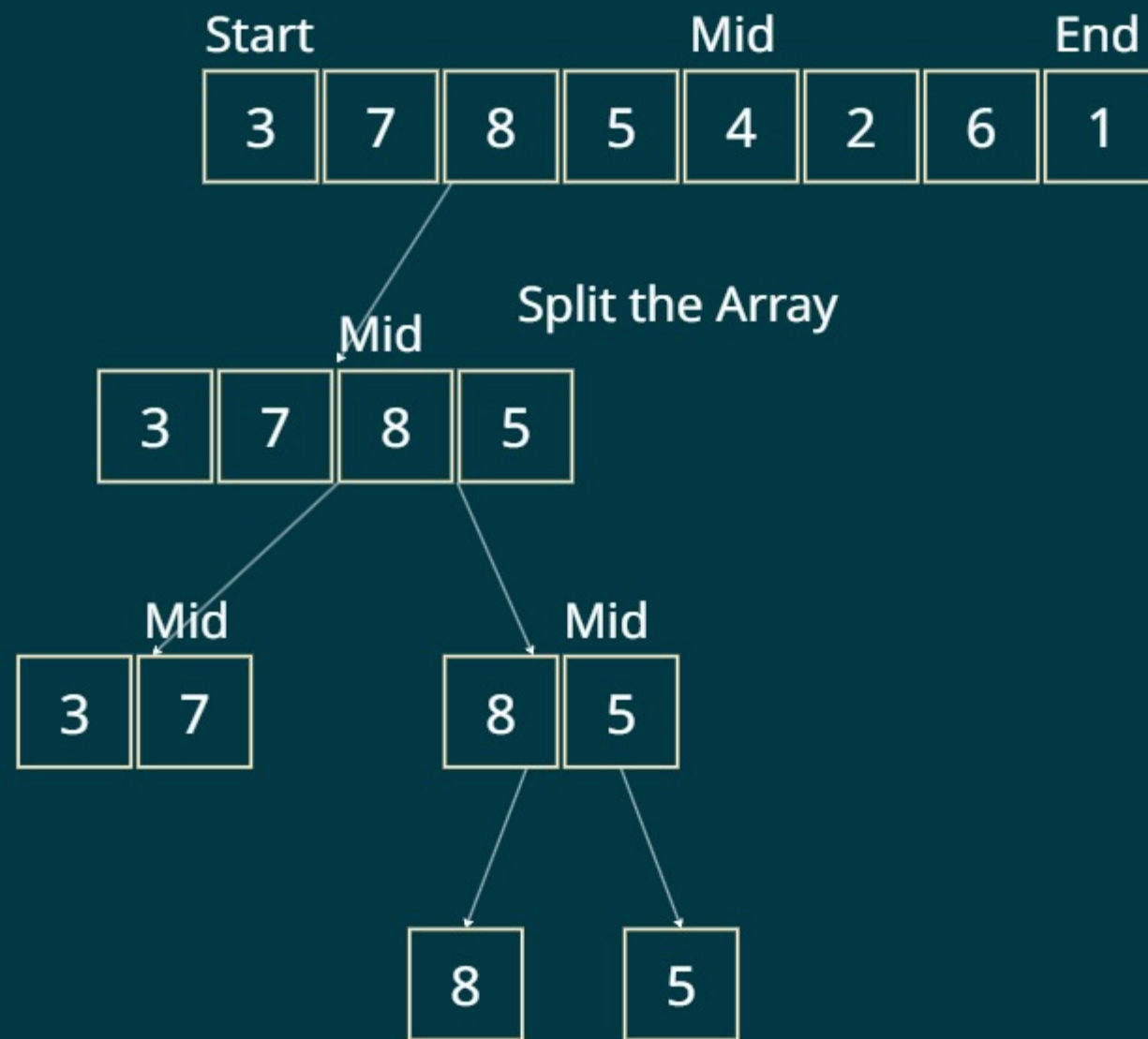
Merge



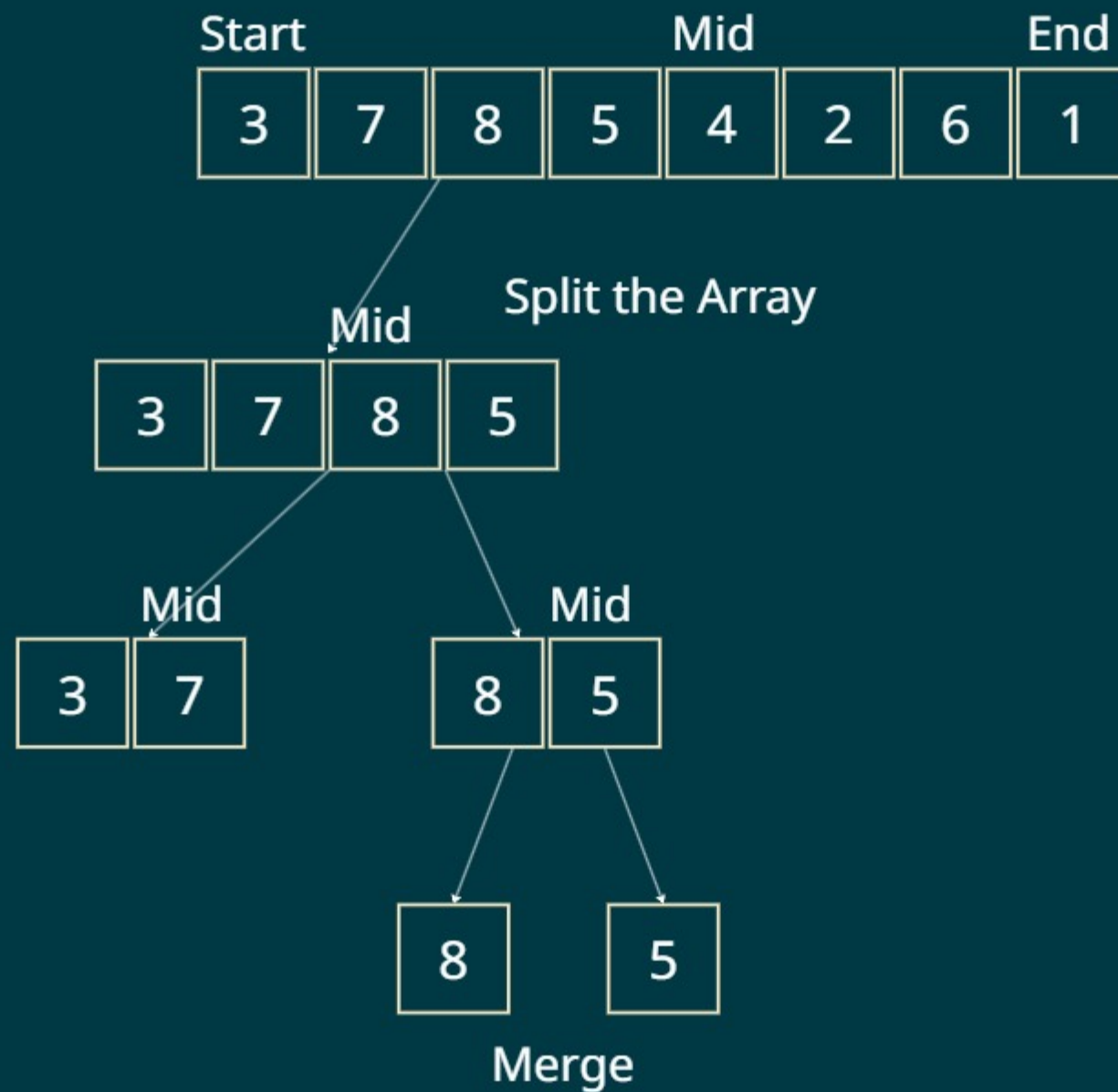
Mid = length/2



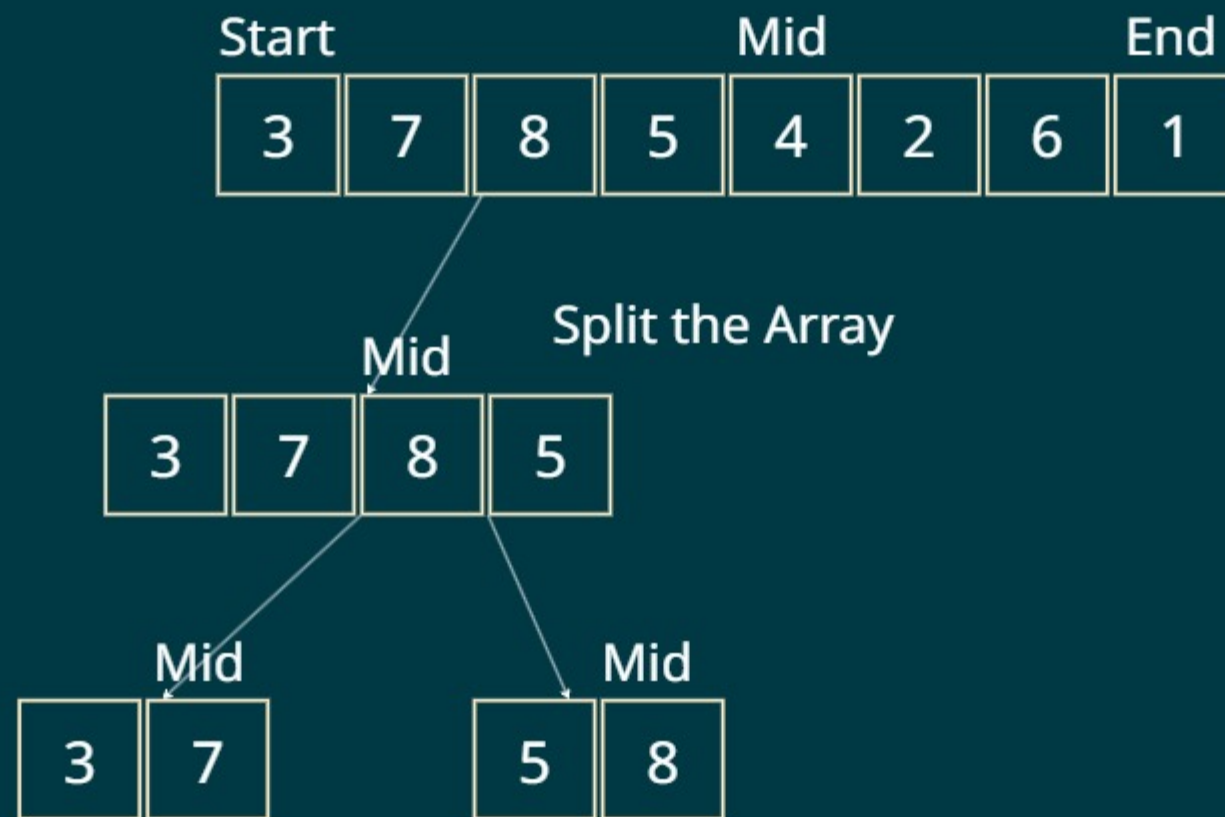
Mid = length/2



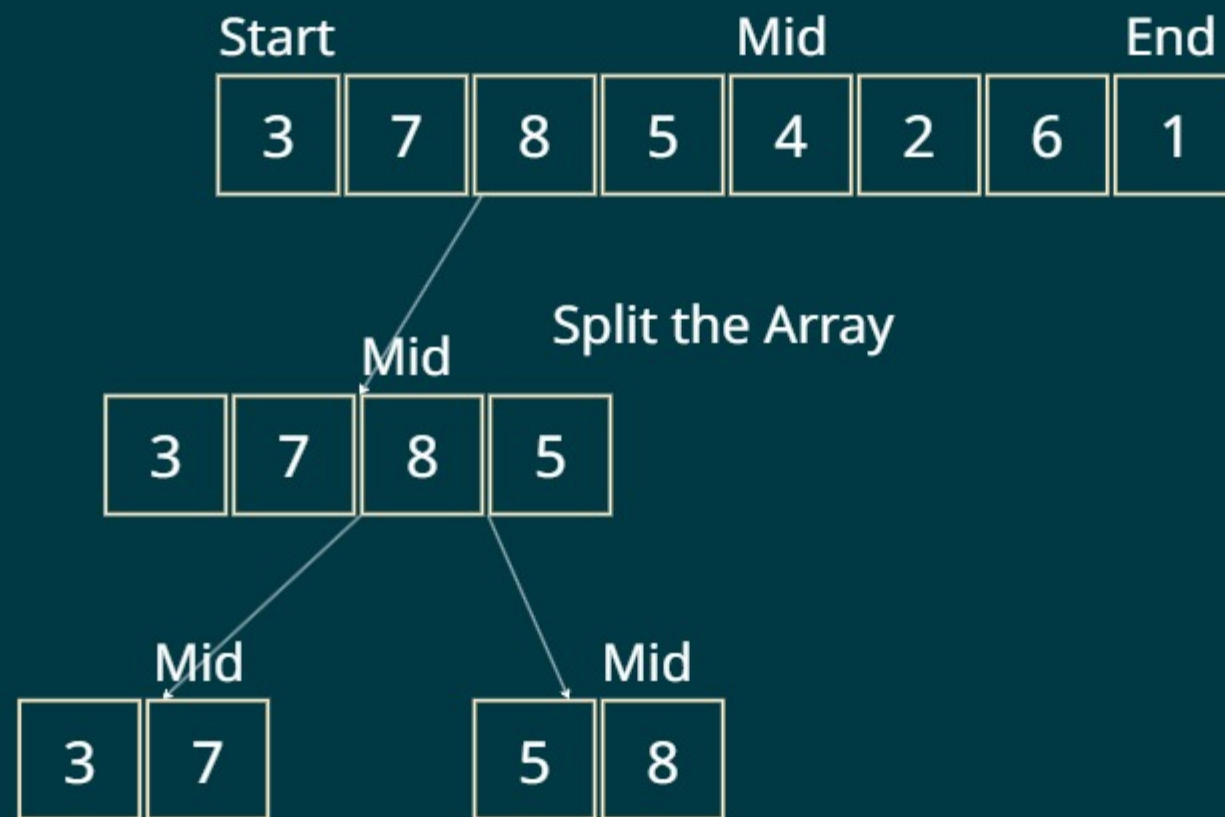
Mid = length/2



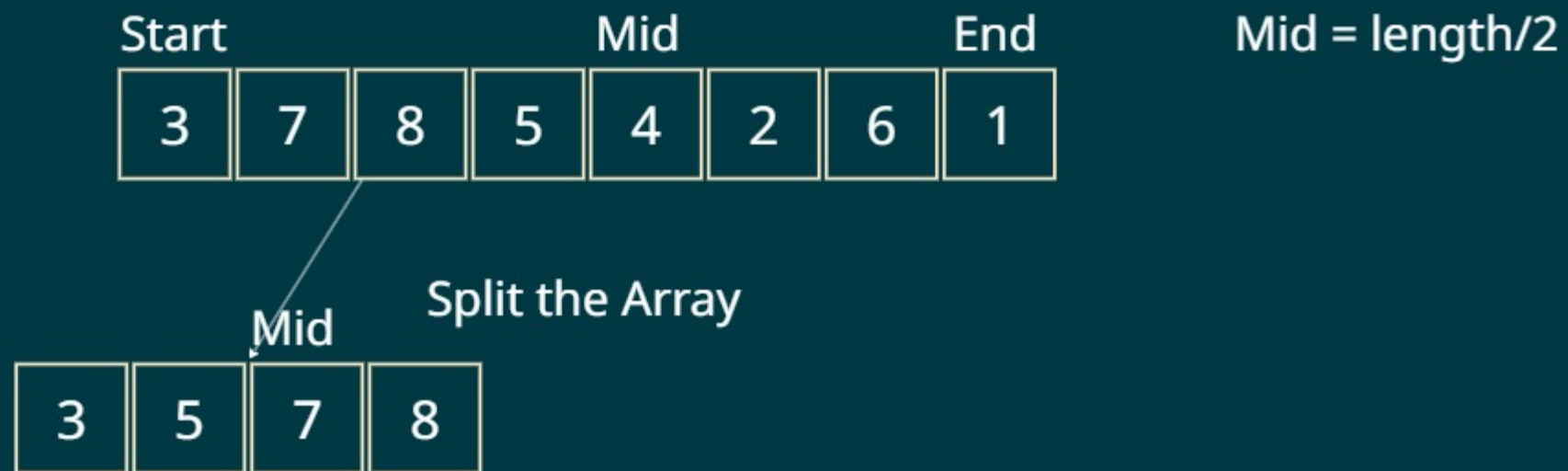
Mid = length/2

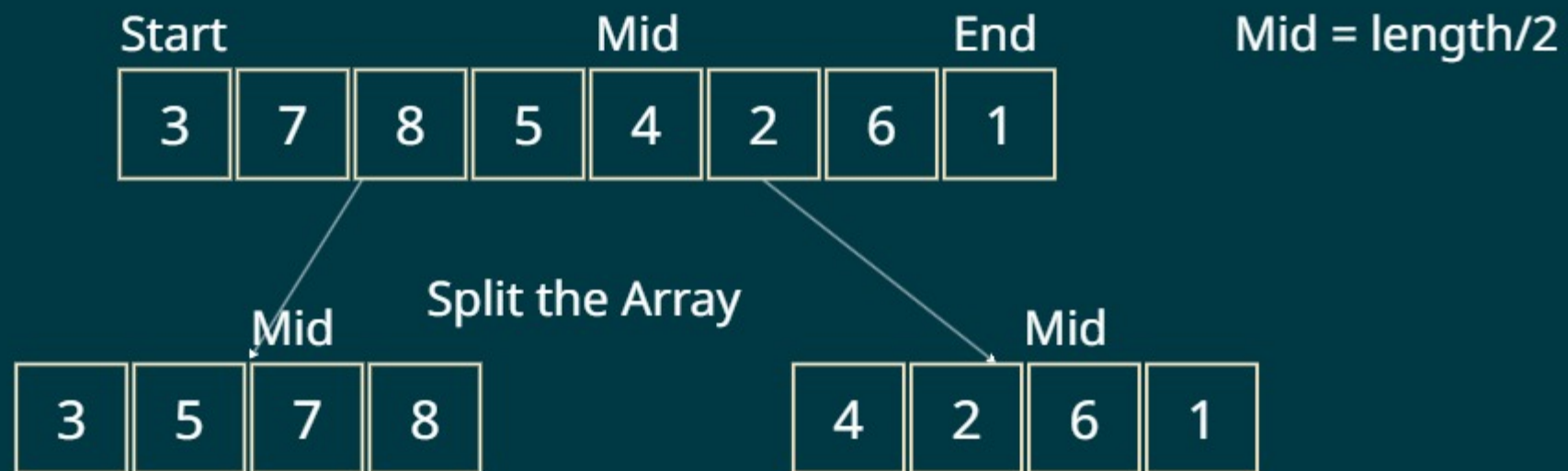


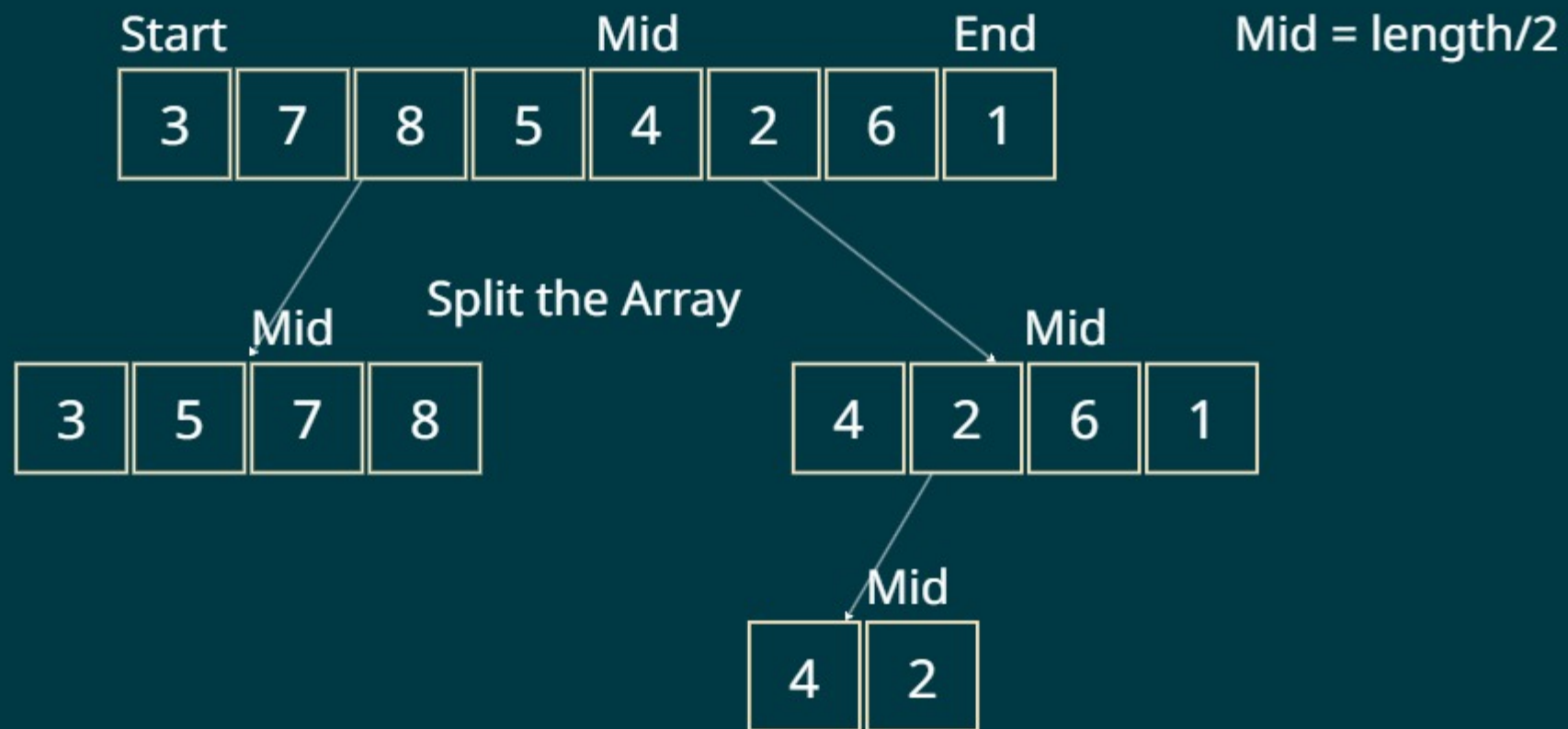
Mid = length/2

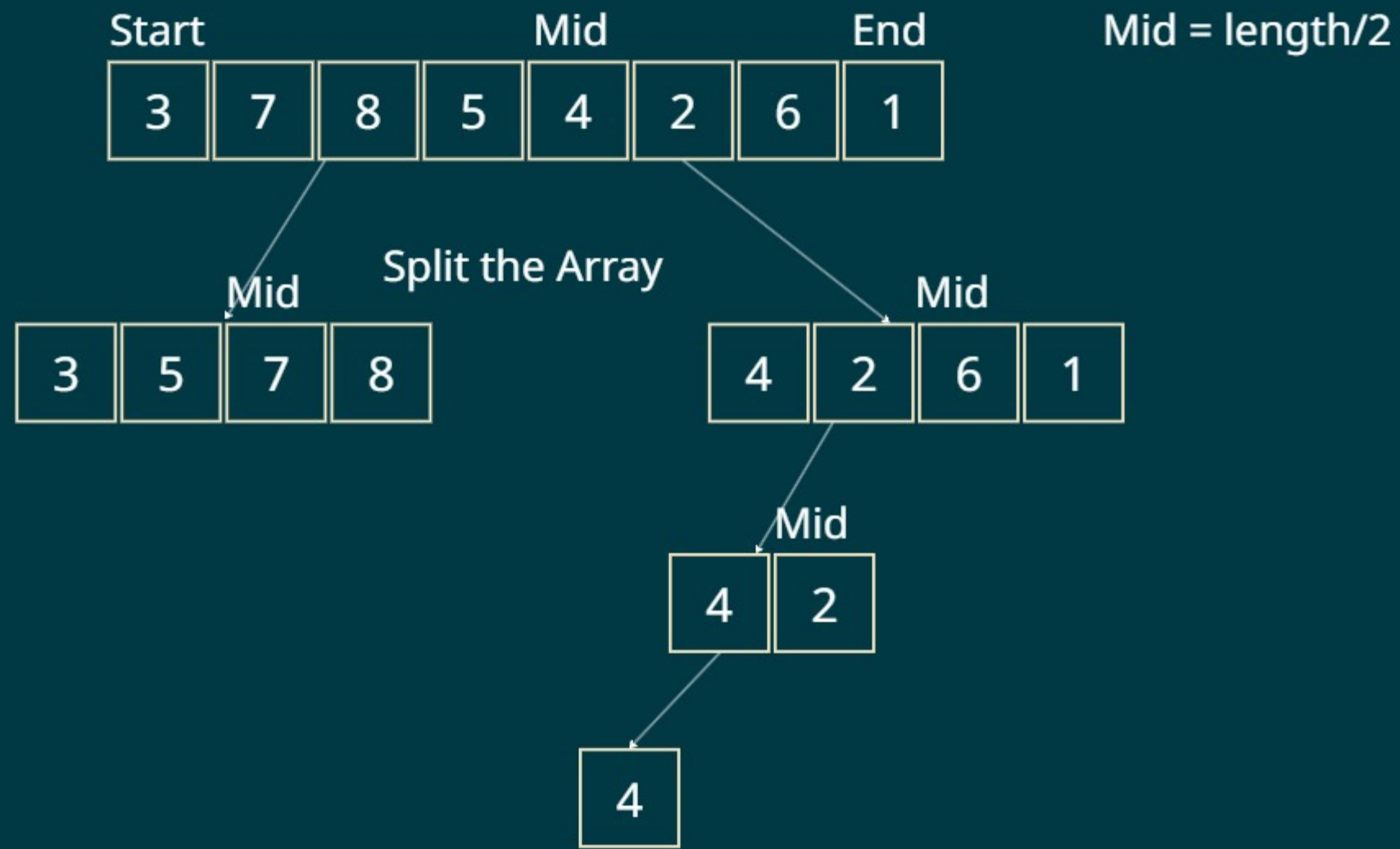


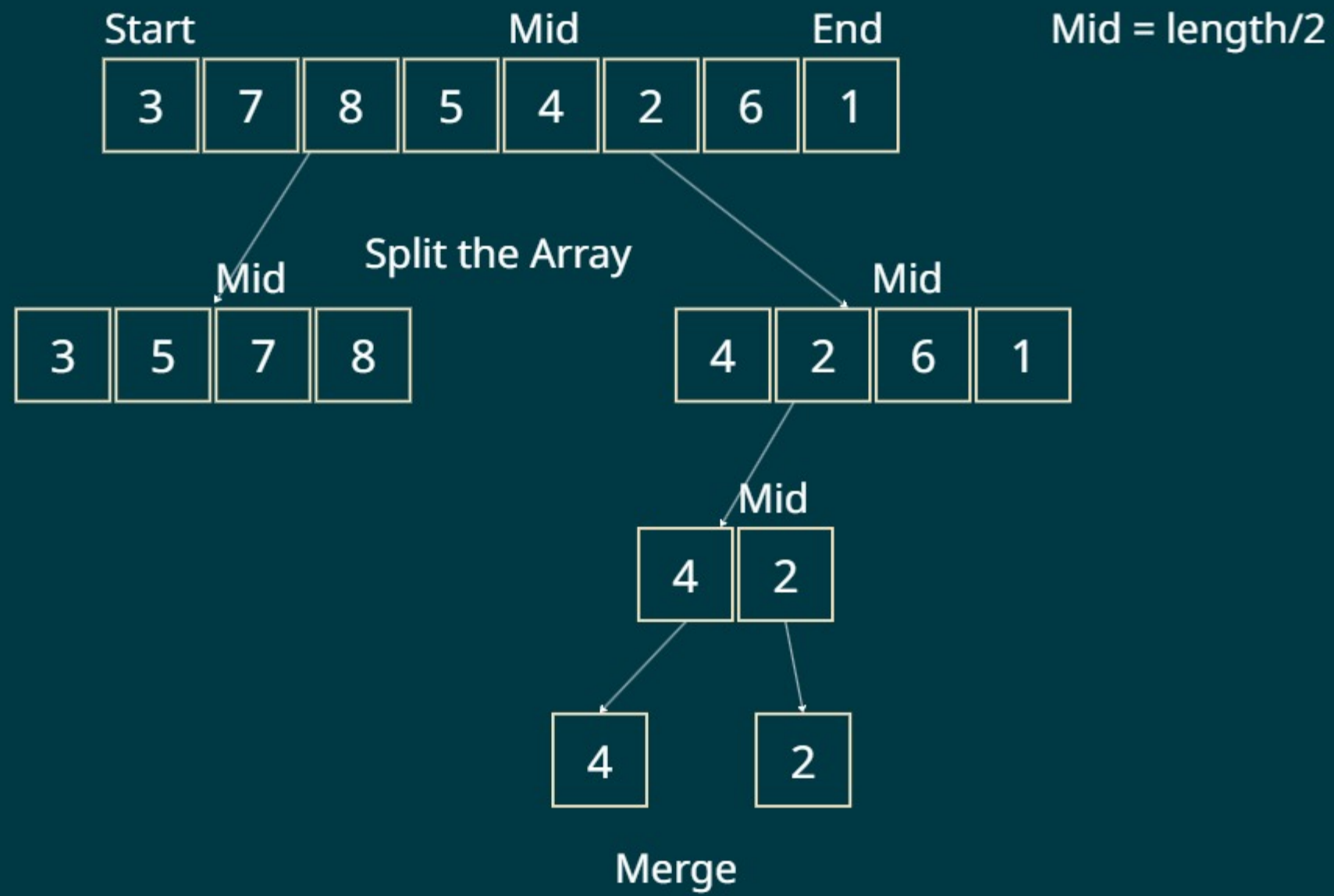
Mid = length/2

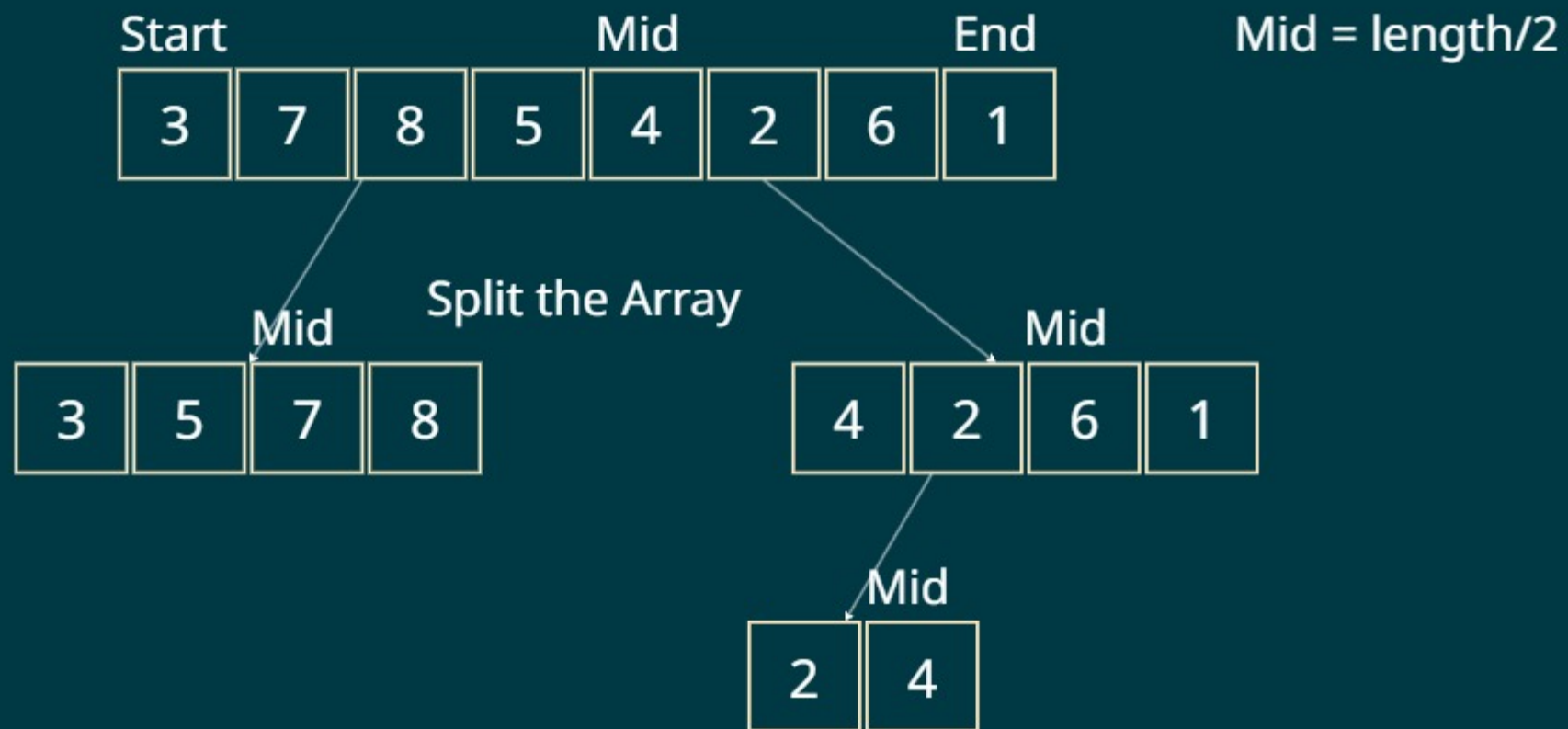


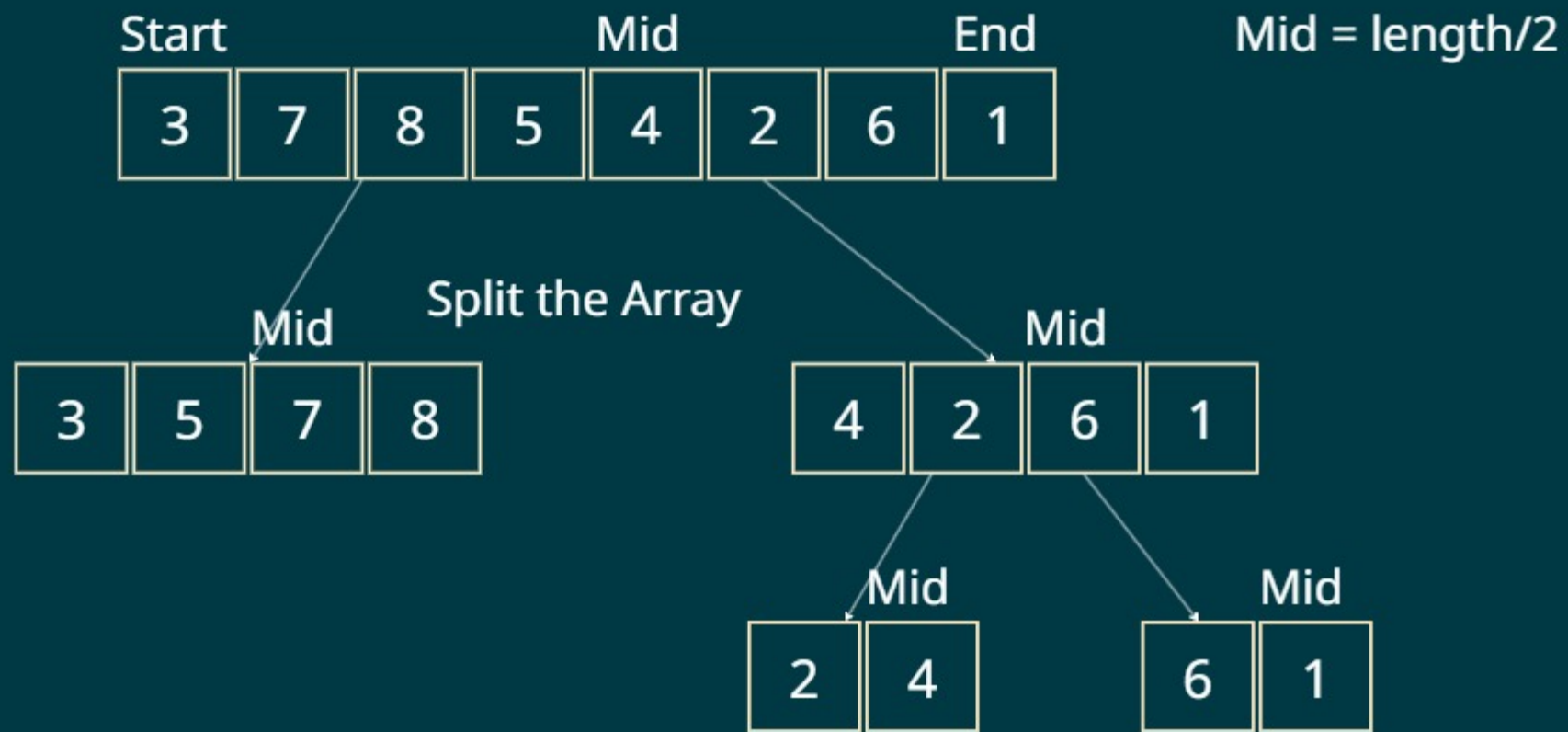


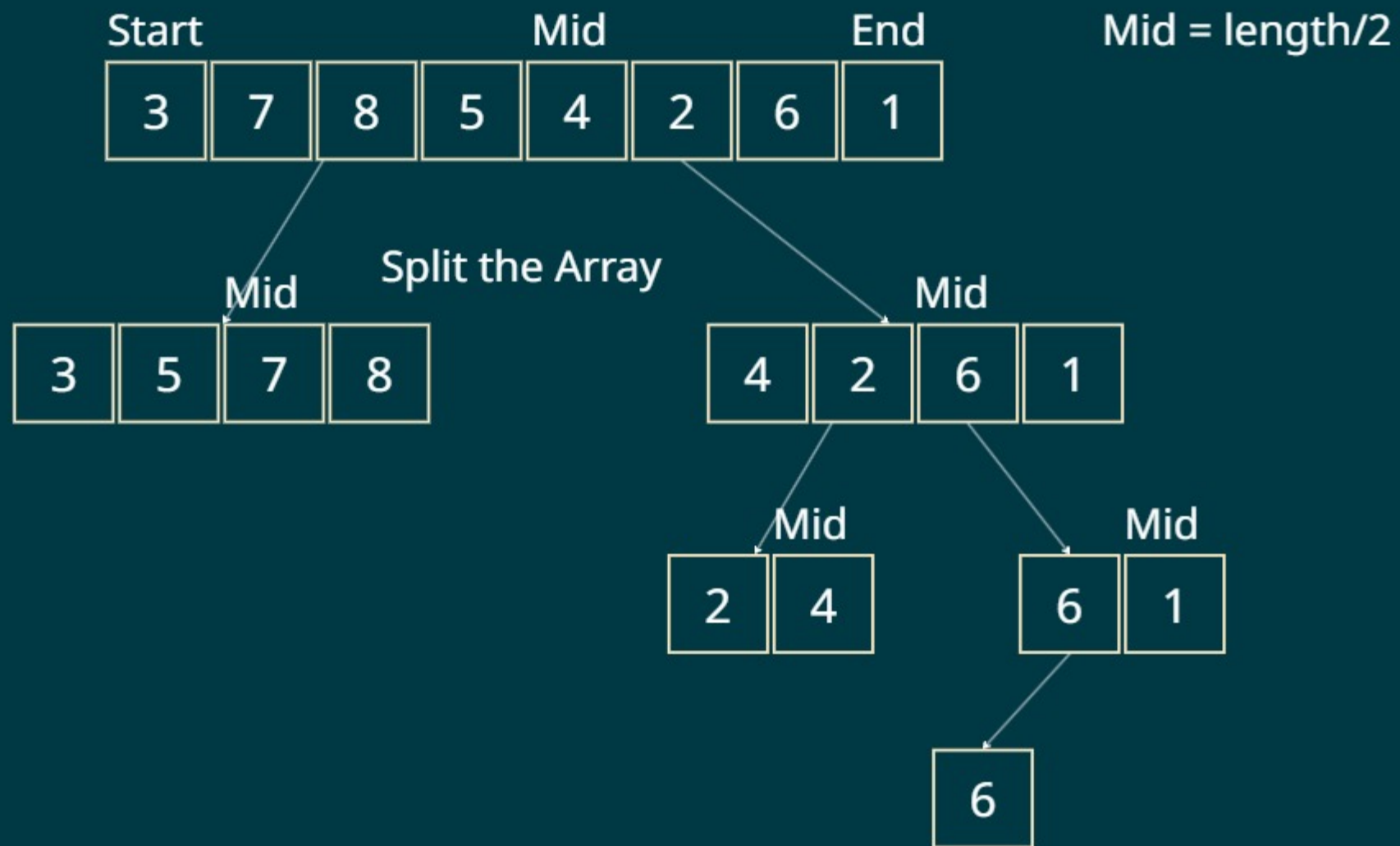


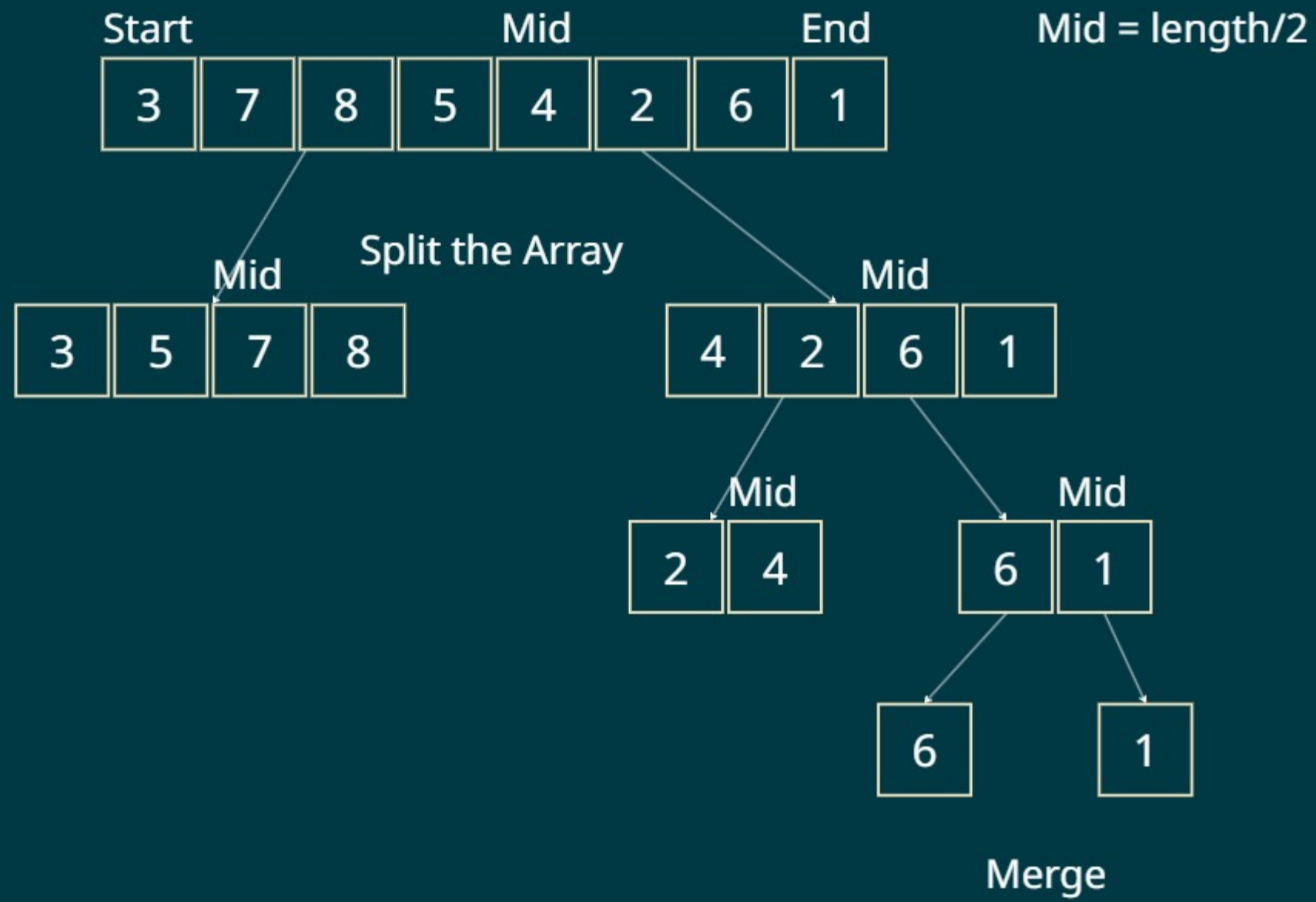


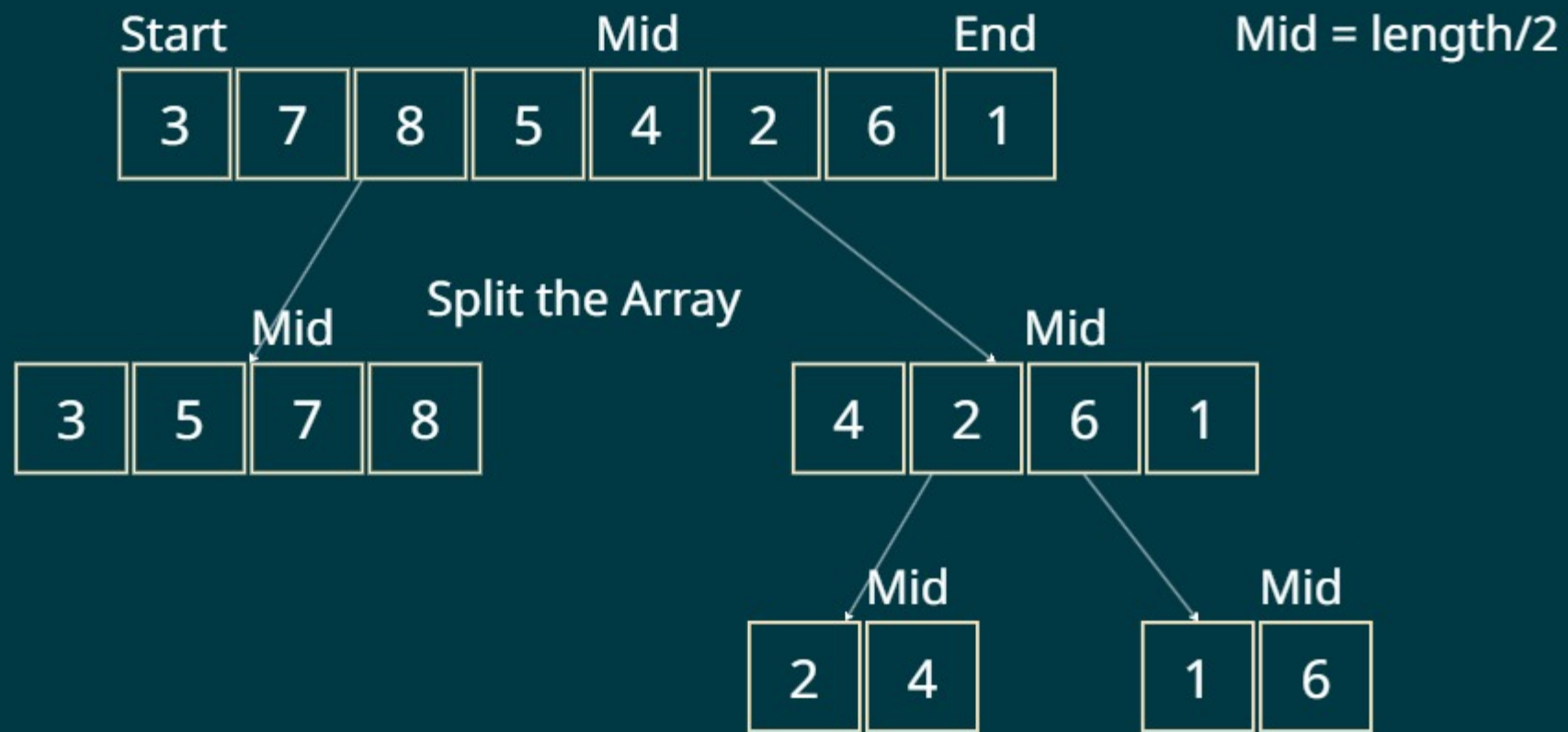


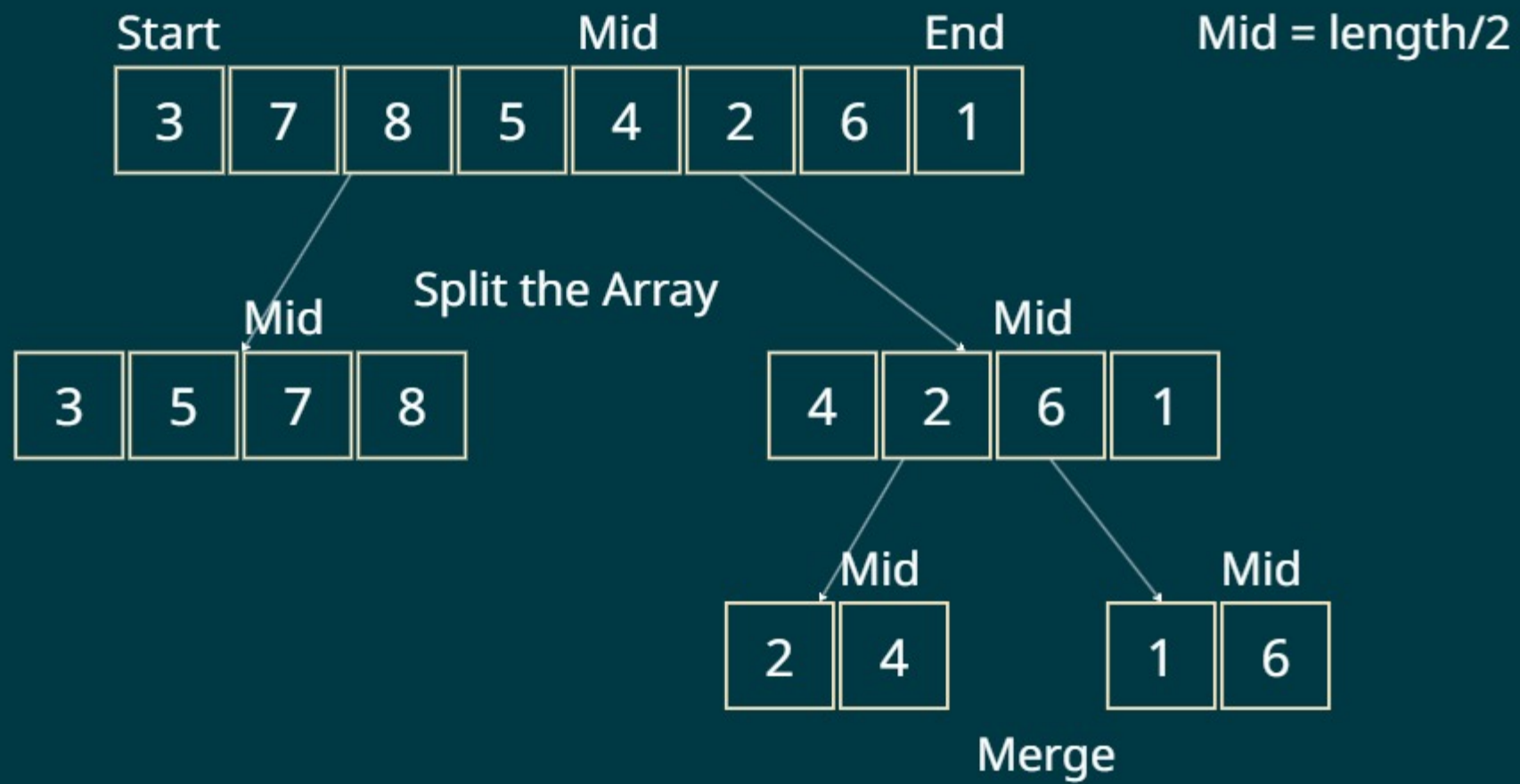


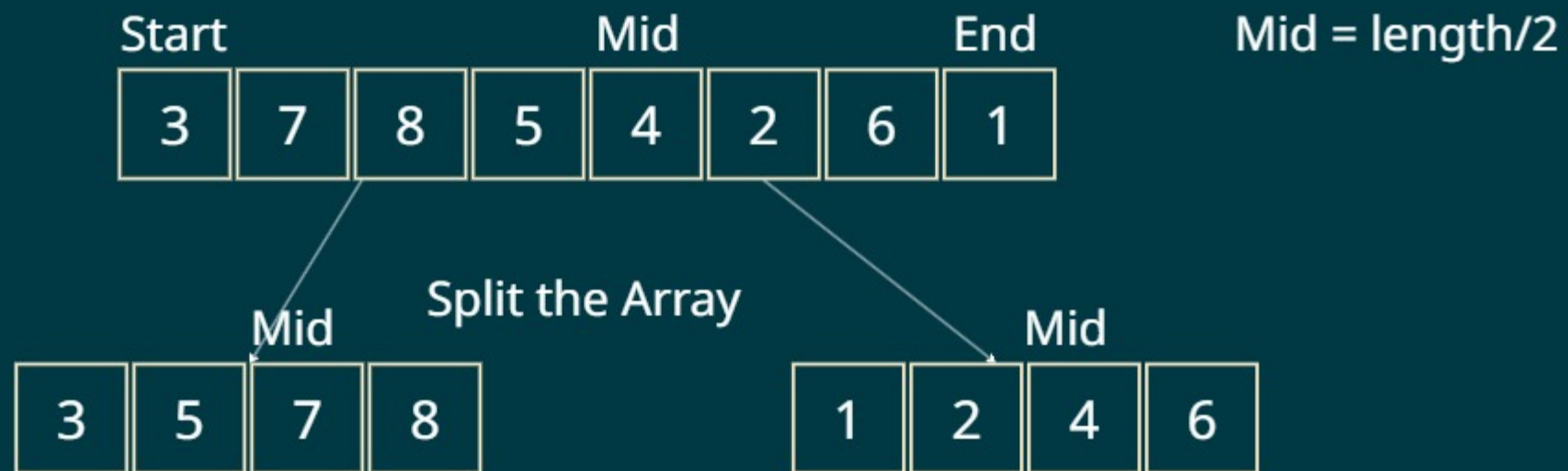


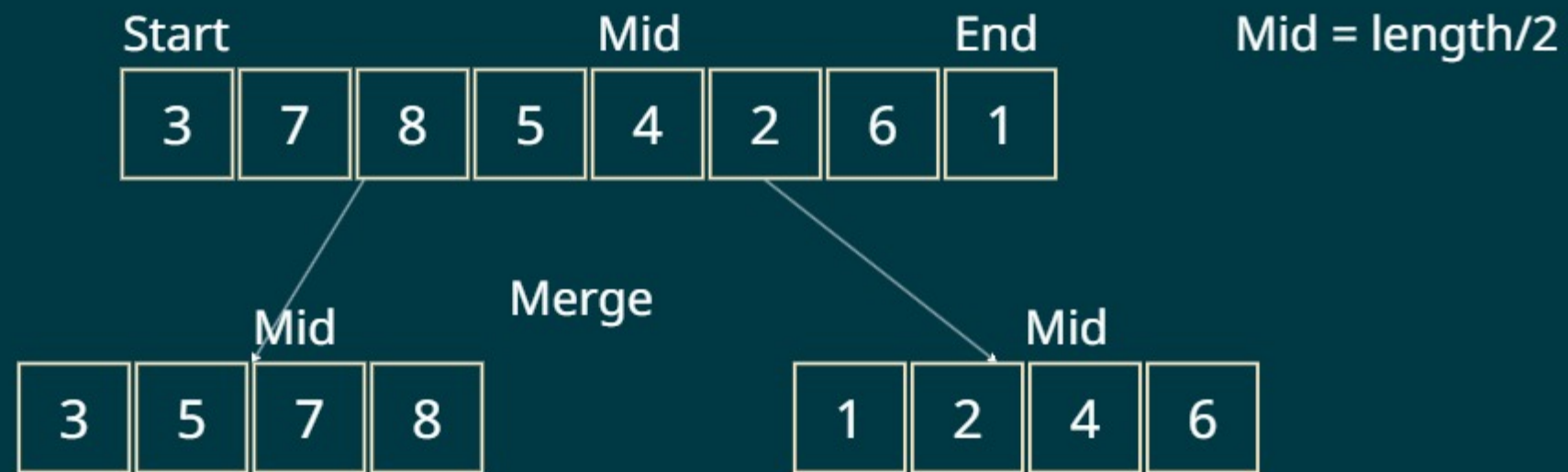












Start

Mid

End

Mid = length/2

1	2	3	4	5	6	7	8
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1	2	3	4	5	6	7	8
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Mid = length/2

Sorting Complete