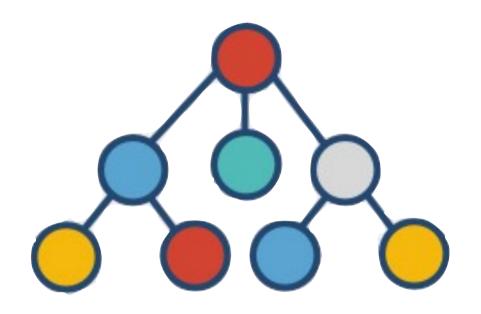
DATA STRUCTURE & ALGORITHMS



(By Prince Agarwal) ("HELLO WORLD")

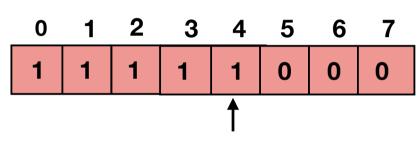
Count 1's in binary array

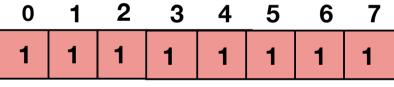
0	1	2	3	4	5	6	7
1	1	1	1	1	0	0	0

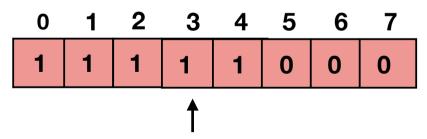
We Want Approach in O(LogN)

There are 2 Cases Available:

We want To search 1





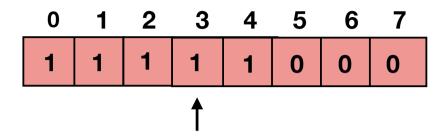


Hello would

N = 8

Count 1's in binary array

We Want Approach in O(LogN)



1st iteration

Low = 0

high = 7

Mid = 3

N = 8

Count 1's in binary array

 0
 1
 2
 3
 4
 5
 6
 7

 1
 1
 1
 1
 0
 0
 0

We Want Approach in O(LogN)

1st iteration Low = 4

high = 7

Mid = 5

N = 8

Count 1's in binary array

 0
 1
 2
 3
 4
 5
 6
 7

 1
 1
 1
 1
 1
 0
 0
 0

We Want Approach in O(LogN)

1st iteration

Low = 4

high =4

Mid = 4

N = 8

Count 1's in binary array

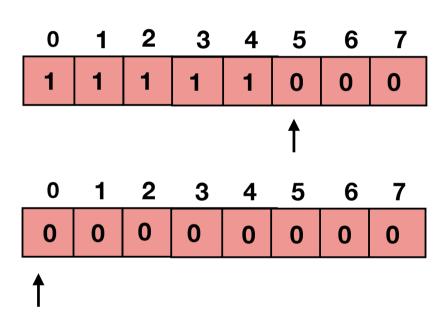
 0
 1
 2
 3
 4
 5
 6
 7

 1
 1
 1
 1
 1
 0
 0
 0

We Want Approach in O(LogN)

There are 2 Cases Available:

We want To search 1

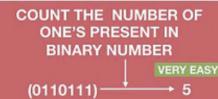


Hello would



Check the ith bit is set, in the binary form of given numbe...

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#COMPETITIVE PROGRAM 13:44

Count the number of one's in binary representation of...

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Check a given number is power of 2 | Bitwise operato...

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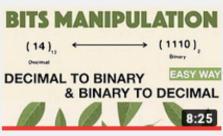
Left shift and right shift bitwise operator ||...

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Bitwise Operators | AND | NOT | OR | XOR || Competitiv...

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Bits Manipulation | Decimal to Binary | Binary to Decimal...

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Euclidean algorithm for finding GCD of 2 numbers ||...

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Sieve of Eratosthenes -part 2 || Competitive programming...

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Sieve of Eratosthenes -part 1 || Competitive programming...

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#COMPETITIVE PROGRAM 13:38

Program and concept of prime numbers. ||...

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12:00

memset() function in C/C++ and its syntax. || Competitiv...

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problem of Fancy Quotes || getline() in strings --FANCY...

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Concept of Handling the String related problems -...

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