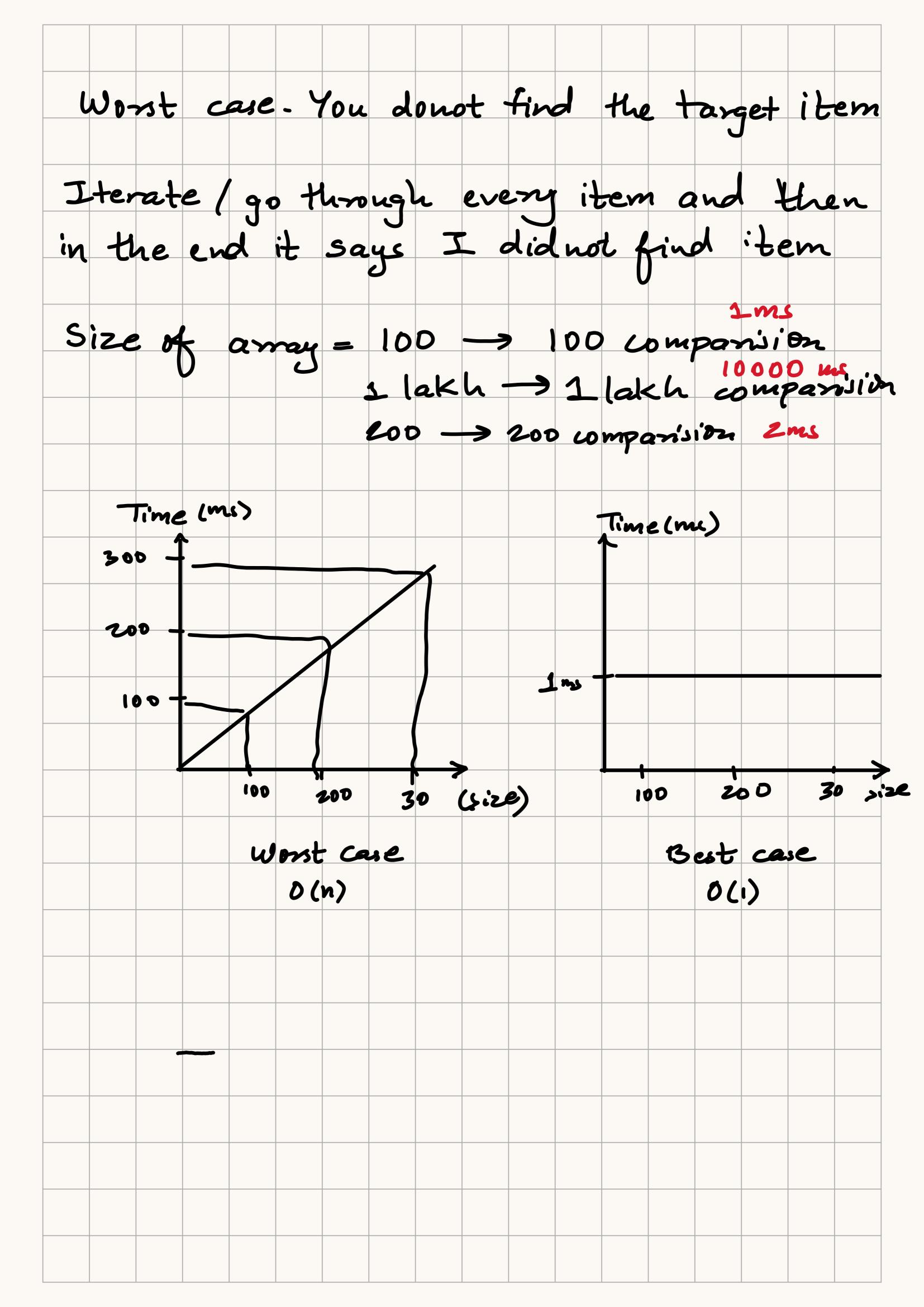
Linear Search Algorithm.	
$a = \begin{bmatrix} 0 & 1 & 2 & 3 & 4 & 5 \\ 18 & 12 & 9 & 14 & 77 & 50 \end{bmatrix}$ Size = 6.	
Hirita II	
a) Find whether 14 exists in the array or not	
If no value found return -1 Time complexity of Linear search	
Best · O(1) // constant. worst · O(N) -> N & size of array	
How many checks will the loop make in best case ie element found at 0th index	,
arr = [8,9,12,18 200 element] +arget = 8	
1 companision is best care	
ar u now of size 1 lakhe	
arr = [18, 12, 9, 7, - · · 1 lakh item]	
target = 18 answer => only 1 companision	
made à the best	
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Searchin	String.
public class	s Search In Strings {
	plic static void main (String [] args) ?
	String name = "Kunal",
	chartaget = 'u'.
2	System out println (search (name, target))
static	boolean search (String str, char target) {
	if (str length () == 0) {
	retum false,
	3
	for (int $i = 0$, $1 < str length(); 1++)?$
	if (target == str charAt(i)) {
	return true;
	3
	return false,
	3
3	

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Working.							
arr =	[' ,	2, 3	3] fi) Y (70W=	0, 70	w <le< th=""><th>n; mu</th></le<>	n; mu
		18, 5			7		
	L [6,	7.14		for (c			
					{ if (c][c]==
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Leet code	Proble	m 12	295.				
Q) Find no Nums =	of nos	that	have	even	40.	\$ d	igits
	18	, 124	9, (1=	764, 9	8, 1		
Ans = 3							
Method 1.							
Convert e			into	o st	nng	ano	
take the	I a sa Ha	171	44 =	4176			
Method 2.							
Count the		~ of	digit	\$			
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			176	4	while	e (n	>0) {
			17	6		ount	
			17		n	= 1/	10
Count = 2	1 1 1 2	r (A)	0				
	FFT						