Class-1

D'Aime Complexitly

memory Complexity

a = [3, 4, 8, 10, 11, 13]

target = 8

for element in a:

if target == element

print ("found")

a = [1,8,13,5,4]Start =0

end = len (a)

while start < end:

if a [start] = target

print ("found")

Start+=1

stort	end	\ t_	a (stood)	
0	5	5		
0	5	5	1	a[0]
1			8	a[1]
2,			13	a[0] a[1] a[2]
3				053
0				2[4]
		+		HEARTS

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Reversing an arr	ay Using	and emply
	.7	
$\alpha = [1, 2, 3, 9]$	7	
fresult = []	DT 68 (L 60)	- 33
, comment of the same of the s	2= 4o	estate
start = len (a)-1	V
AL CARE SERVICE	Evin, Irramole	s sof
end = 0 while start >=	= deposit	†;
while start >=	20:	
		147
result. of Start - Print (Iresult)	=1 (alsto	
diet (hosult)	1	2= table = 0
pune (restary	Resu	elt Start
Te → O(n)	Last Lend!	
$Mc \rightarrow O(n)$	James 1 5 [4	7 2
(Lund	T4,	
B CONTRACTOR OF THE	T4,3	,2 0
(posts) & C. 7	[4,3,2	2,1 -1
Berthall B	9	10
5 1 0	3	0
	2000年1931	1
1.3		\$
		3

Reducing time complex different algorithm (7)	
a = [1, 2, 3, 4]	T: 0(n)
[1]0]0]	T: O(n) $S: O(n) \to O(1)$
0 1 2 3 4	
$3 = 0 \leftarrow 0$ (1) e = len(a) - 1	
e = len(a) - 1	
while sce:	
while see.	
n_{12} temp = a[3] $a[6] = temp$	
5+=1 e-=1	
L 6-1	
noturn n	
TOWAR TE	
T = 0(1) + 0(1) + 0(2)	No to (a)
1-06/106/106	12) 10(4)
= a(n/a)	
= 0 (n/2) = $0 (n)$	
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