

Hashing is a technique or process of mapping Keys, values Into the hash table by using hash function.

Comprexity 95 O(1).

Types of tashing

(i) Division method

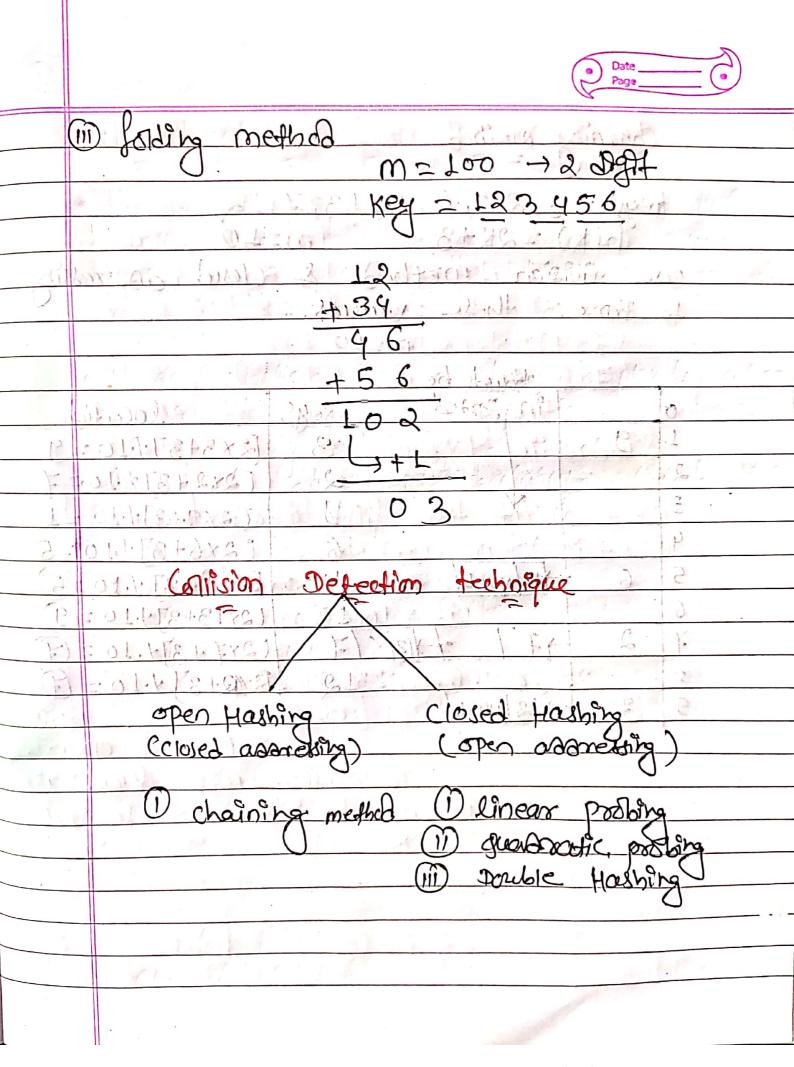
e.g

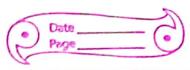
H(4)= 41.10=4

(I) mid - square, method M=10 → 1 dight Key-123

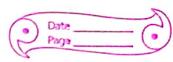
Syntax or (Key) 2 = (123)2= 427919

1.123 is placed at 7th posttion.

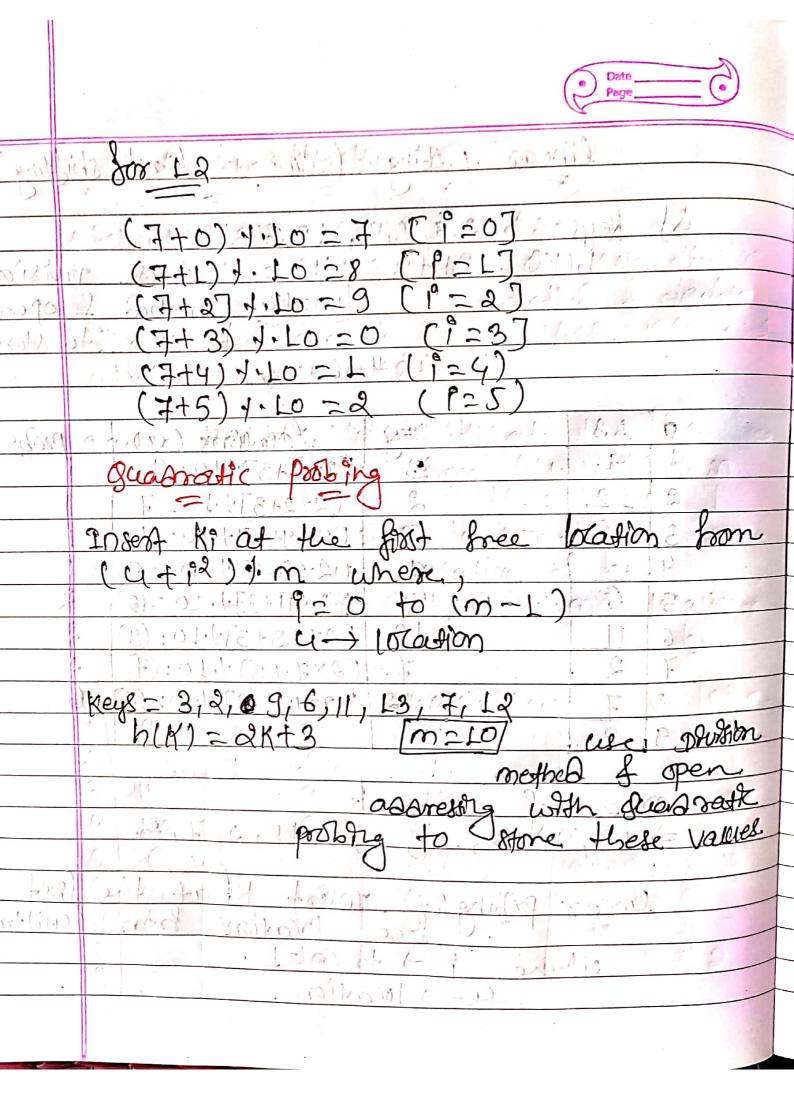


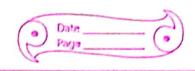


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	Ch	ainika	metholo) - chimi	S5, 149	F1 219						
		Chaining method										
	No	Keys = 3, 2,9,6,11,13,7,12										
	110	h(K) = 2K+3 m=10										
	tile	use shision method & closed appressing										
	11	to stone these values.										
	1	40 80 m210										
		should be location										
	0	The Car	30 800	red of L	Keys	m . 17	location					
	1	19:	140 -1	M. Killer	3	(2×3+3)	7.1.10=	9				
	2		LI E		2	[242+3	3] 1.70=	7				
_	3	7.1. t	Y.	14. O.	9		3]4.10 =					
	9	1951 3	1 Pr	4 = 16.	6	(2x6+	371.50.	=5				
	5	6	AII NUL	45 45	ANIT TO	[2×11+3	J 1.10 2	5				
	6			19-6 11	13	[2x13+3						
	न	2	77	+ 1/2/X] न	(2x7+3						
_	8	u = ==================================	P. C.	A Minis	613	R-137	y.10=	1				
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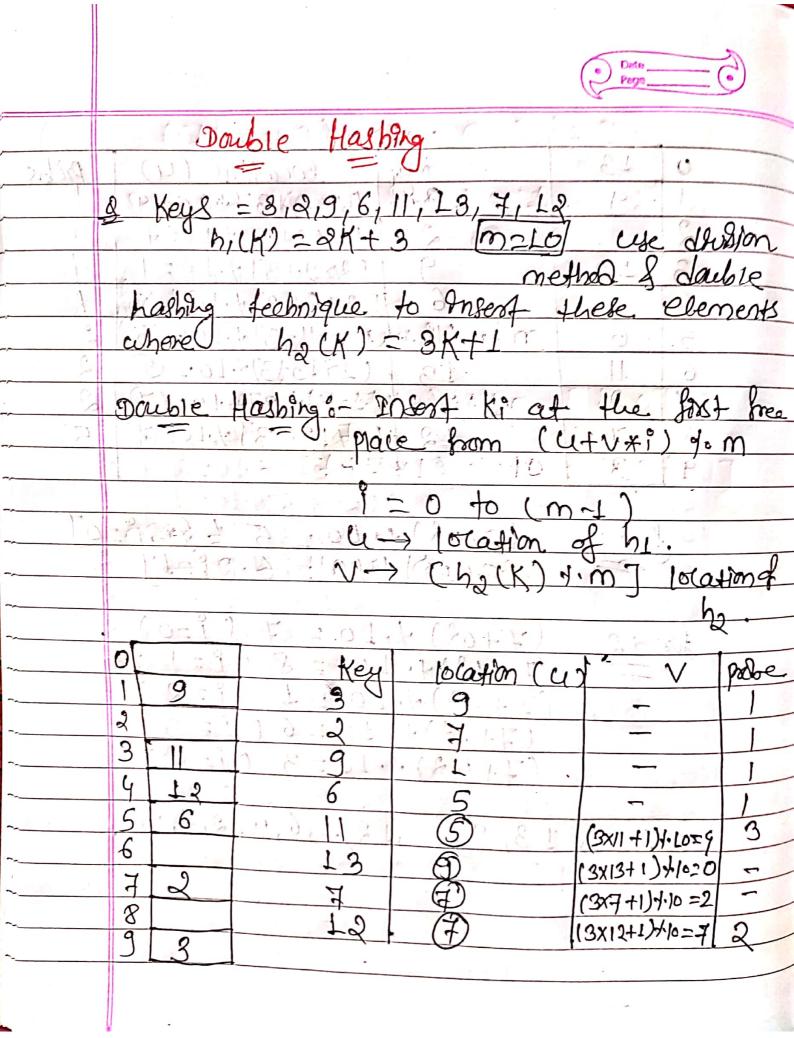


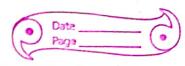
								6	Page_		
	111	l	inear	Pod	bing	(1	Inear	H	asb (Shiffing)
	വ										
	8	<u>Keys</u>	= 3	12,9	1611	الرا	3,75.	12)	100000	4	
	h(K) = 2K+3 Jule Musian										
1 1	m=10 method & open										
10.6	asameting to stone										
	these values.										
	(8:3) 2 - of 16 (2) FT										
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	2	12	1 1	100	2	[2	*2+3]	4.10:	=7	j	Y I
2100	3	MH(E)	F18223	XCE I	9	C27	×9+37	4.10.	当人	111	
	4	136	The state of the s	TI.	69 1	T27	16+37	9.10	=5	1	
11	5.	GY	6316	(Mul	61/2	(2)	×11+37	y.10	25	٠.૨	
	6	- A7		CHOIL	131	(2x	13+3]7. LO	29	ર	4
	7	2		7.	7	(2x	7+37	y. 10	2 (F)=	<u> </u>	
	8	7	· · · · · · · · · · · ·	111	12	[27	12+3] y. Le	12	6	
in the 2	9	3	110	01:10	51	M. E	1 1-119	. (1	Aid"		
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Thor	0	fder	of	ole	mens	- 1			1	- 1	
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	linear polying on Tosest Ki at the first										
	- Tosee locations from (CHI) 1m										
. 0	where i -> to m -1.									· 、 /-	
	a) location.										





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	10							
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~ (T)	2							
=(F)	2							
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20)								
21)	3							
fr.	***							
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A 4 . 1	<u> </u>							
,7,3	6							
	217							





for 11 (4+V×i) d·m = = 6+4×0) d·LO = 5 T P=0] (5+4×1)/·LO29 [P21] (5+4×2) 1.10=3 (1°=2) (u+vxi) 10 m ~(9+0×0) 1.Lo [1:0] (9+0×1) Y. LO[1=L] So, we can't Insect 13 In the Hash table. (4+0xi)1.m 7+2xó) Y.LO =7 [1=0] 7+2×1)11029 (7+2*2) y. LO=1 7+2×3) ×-10=3 1 7+2×4) ×-10=5 7+2×5)×-10=7 7+2×6) y. Lo =9 7+2×7) Y. LO = 1 (7+2x8) y, 10=3

