/	PAGE	No.			7
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## \* Count Sort :-

Input Array °0 1 2 3 4 5 6 7 8 9 10 11 12 13 14
1- 9 6 3 5 3 4 3 9 6 4 6 5 8 9 9

• find max & min max = 9

min = 3

1 Range = max-min = 9-3 =6.

countsort (int[] arr, int min, int max)

\* make freq. array

initially farr => (Range = 9-3+1 => 7 (0 to 6)

farr 0 0 0 0 0 0 0

for (int i=0; ix arr.length; i++)
farr [arr [i] -min]++;

		0	1	2	3	4	5	•
	farr:	0	0	0	0	0	0	Ø
<u>i=0; corr</u> = 9-3	p] -3=							1
= 9-3	-6							
i=1				7.7	1			
1'=2		X						
1=3				1				
1=4			1	23)		-		



