

	Dt
	Pg.
#	For souting the alway ** Selection Sout **
	for sociting the alway
The second secon	Selection Sout
	** 3) Insertion Sout **
	3) Insertion Sout
	Consists of cost of to do n-1 rounds
	SELECTION SORT
	n
()	Random Alway - 7812596 7
	0 1 2 3 4 5 6
	Rond-1 -> [1 8] 7 2 5 9 (6)
	01123456
	Round - 2 -> 1/2 7 8 5 9 6
	fond-3 -) 1 2 5 8 7 9 6 0 1 2 3 4 5 6
	P. 1/2 -> [1/2/5/6/7/9/8]
	$\frac{\text{fond-4}}{\text{ol23456}}$
	Round 5 > 1/2/5/6/7/9/8
	Round-5 -> 1/2/5/6/7/9/8
	Round-6 -> [1/2/5/6/7/8/9]
	round 6 0 1 2 3 4 5 6
+	

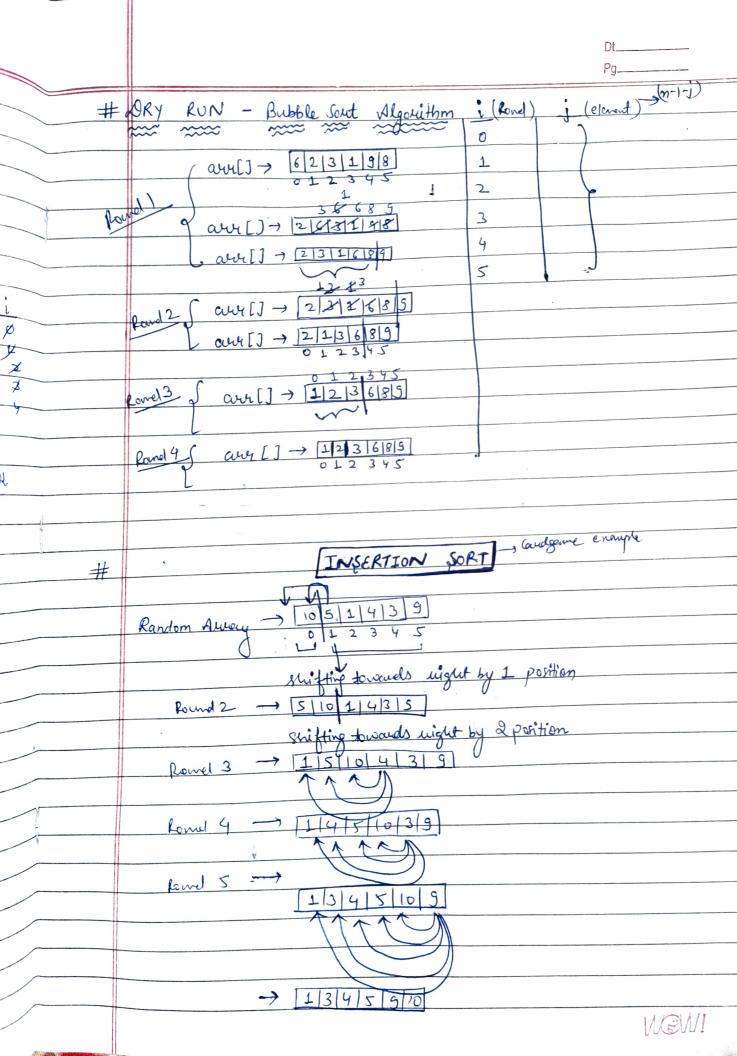
(3) Lounds and] > 8 5 1 4 6 2 1 Round 1 -> [15 |8 |4 | 6 | 2] Staut found 2 -> 112814165 Found 3 -> 1/2/9/8/6/5 Round 4 > [1/2/4/5/6/8 void Selection Sout (intaucity, int size) { for(inti=0; i < size; i++)& int cument = aweliJ, minindex=i; forlintj=itl; jssize ; j++)f if (current > ave(j7) { current = aurtij;
minindex = j; } } Swap (aur [i], aur [minindex]); int main () { int auc []= 28, 5,114, 6, 23. SelectionSout (au, 6); fr(int i=0; i<6; itt) & Contexaveliles " ?? Contecendl;

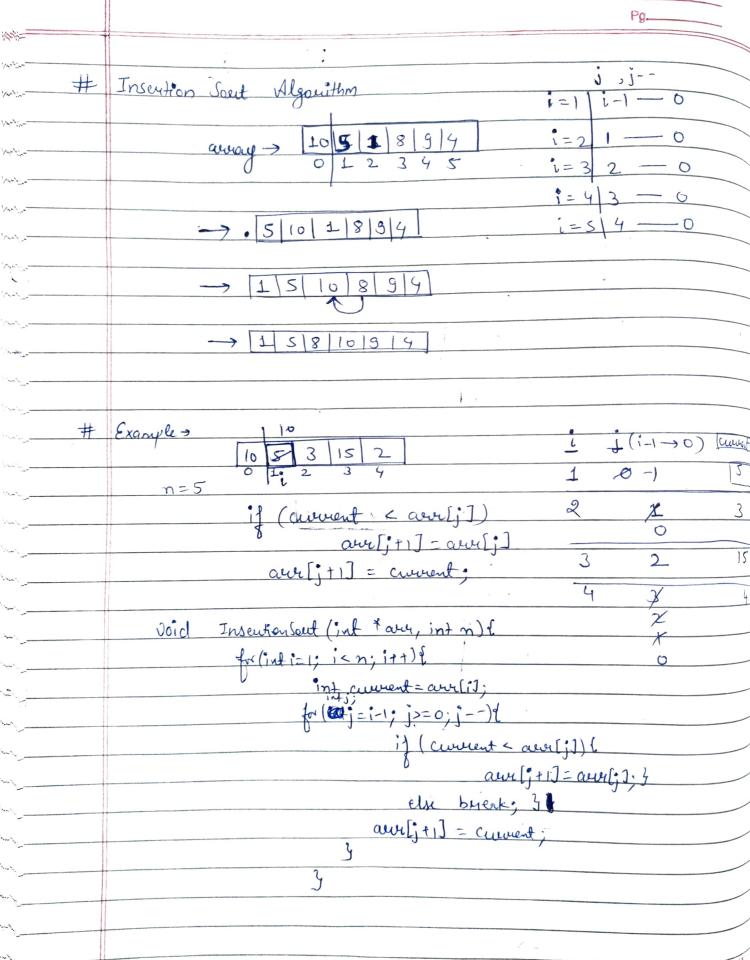
		Pg
#	Selection Sout Deny Run	i dement minindex
	aux [] -> {4(1) 6) 213}	8(1-5) 4 8 X(2-D) X
	Rando1 -> 1419161213	X (3-5) X
	Round 02 -> 1/2 9 6 4 3	3 (4-5) 1 m 4 (5) 1 s
	Round 03) -> [123645]	
	Round 04 -> [1123469]	
	Round 05 -> [42] 4 6 9	
	** ** ** ** ** ** ** ** ** **	
0,1)	0 1 2 3 7 3	→ [1 7 9 4 5 10]
1,2	11101719 1415	→ 117 419 5 11d
314	7 5 10 1 7 1 10 8 14 15 Rond-3.	11475310
1 Java	1715 4110 15 Round-4	→ [1 4 5 7 9 1 d

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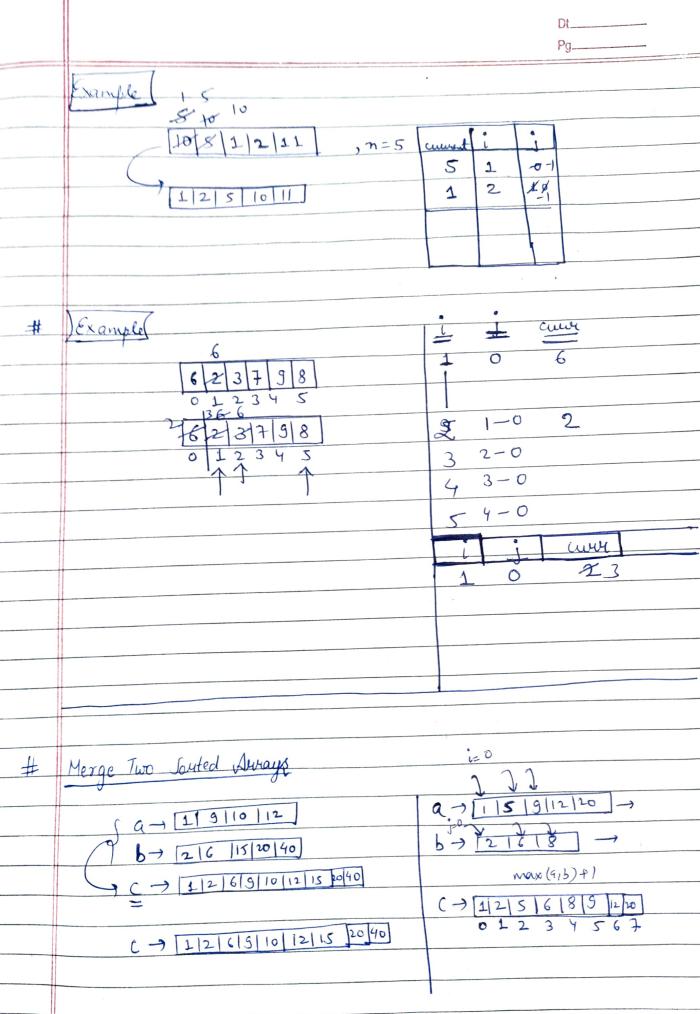
#. Alway > 5 10 12 15 8 5 1 10 15 8 i< n-1 bubble sout (int *acce, int n) & for (int j=0; jen-1; j+t)) void for (int i= 0; icn-1; i+1) { if (aux[i] > aux[i+1]) of Swap (aux[i], aux[i+1]) of int main () { int aux[] = {6,2,3,1,4,153; Bubble Sout (cour, 6); for (inti=0; i<6; i+1) of contec anulis ecuir, 3 Contigenell;

WEM





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Problem - Pusher Zeros to the end int index=0; for (in i= o; izn; ift) 9 Away - 200 123 456 if (aux[i] = 0) { swap (aux [i), arr [index]); 38200 Array - 1050 x x 0 Auray index > 0123 - 3 2 2 2 0 0 0 # Problem - Potate Neways Away -> 2/2/3/4/5/6/7/ -3 4 5 6 7 1 2 Problem - Check Duray Potation for (int i=0; i=n; i+1) d if (aucli] > avoility) {

return it; }

} Jun 0;

MBM!

Dt.... # Problem - Sout 012 # Broblem - from of Two Aurays aux[] -> 13 8 0 1=2 j= 2 K= max(2,2) +1-1= END of MODULE