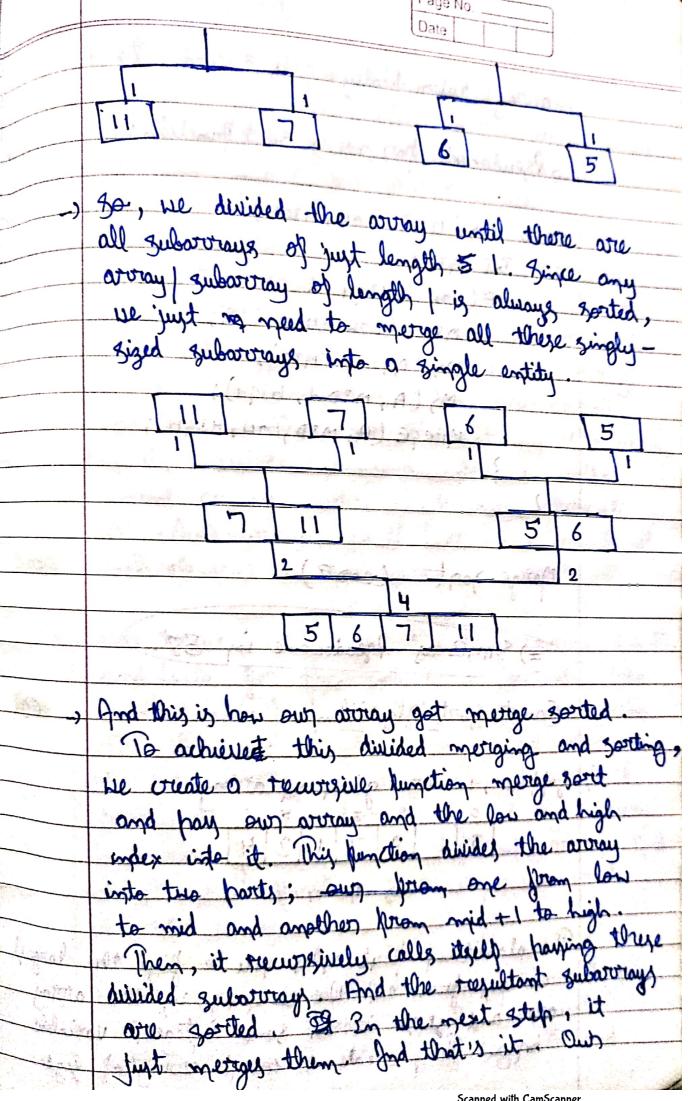
Why we call it merge sort algorithm? -) In this algorithm, we divide the average into substituys and substituys into more substituys until the zige of each zubarviay become Dince average with a single element are al considered sorted, this is where we merge Morging two sorted substituys treates and phose sometime is an attray of 5 contains two sorted gularvings of

	Page No.
	Date Date
	7 15 2 8 10
	Ungontab ARRAY A
- dilin	To morge both the sorted suborray, and produce
	a garded array of length 5, we will vieste
petalian	an avrillary arrivay B of rige 5. Now the
	priorey would be morre on less the same,
	and the only change we would need to make
- 14	is to consider the first index of the pout
reliber	: Bubarray of loss and the last index of the
ما	second substitute as high find mark the infex
pm0	prior to the first index of the second
thuck_	or zilariray azramid trading in tact
	Bilatitay assamid tondered total
	0 1 2 3 4
46	7 15 2. 84 10 trad with
	W UNGORTAD DRAMY A
0	Lasting Otrolo 2013 41 las de ulli
عبر الم	The of think his history with it
ormo luc	JORTED MARRY B
	agented portrailer that it was all likes
unites	Previously we had index variables 1, 1 & K
U-	initialized with 0 of their respective arrays,
To VI small	But here i gets initialized with low,
	acts initialized with mid +1, and & gas
	initialized with low only. Ind similar to what
	hid corder of turns prom tow
Ela a A	has mid to high, and wife
* Charles	until & unley they both get all their
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	Page No. Date
	elementy merged, He continue lass.
	elements morged, He continue fulling in away B.
	0 1 2 3 4
	USA A
	2781015
4./	3A B
	and the same with the contract of
-)	After all the elements get filled in array B, we revert back to own original array A and fill the sorted elements assis has a
	we nevert back to our original
in	and fill the sorted elements again from low to high, making our arriver mercer sorted
	to high, making our arriay merge-sorted.
	o' wordy morige - sorted
	-) PSEUDO-CODE:
1	((-+1 : HOTHER) ; und = E girland
- 0.	VOSD MERGE (SUR ACJ, MED, LOU, HEGH)
A e	14.
-	INP 7, 3, K, B[H244 + 1];
	7 = LOU; 100 101 101 10 10 10 10
	J= M3D + 1; 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	K=Lou;
- from	WHILE (I <= MID & B) <= HIGH) {
1	JE(DEIJ < DEIJ) S
1	BCKJ = ACIJ;
	Kat:
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Company of	B[K] = A[j];
	J++; 111 111 111
	K++; 1 6 5 1 1
	3
	3 The state of the
	MHILE (I <= MID) {
	B[K] = A[i]; Copying all transing K++; alements from A to
	K++; Colements have at
	j++;
- + of 110	THE ME Showing Ton I small the year of the
A	WHILE () <= HIQH) ()
the pro-	B[K] = A[j]; Copying all temping
actron	comments are anything alors of
	itt:
	3 - 1930 - 2011 - 20
The state of the s	FOR (?NT] = LOW: i < = 43CH: i++)) (chu:
	HUEH, WAL ACID = BCIT FOR PARA GROWNIE - COTAL HELLE
	lock to A
	0 1./2 3 M. Boron B
	2 7 8 10 15
	Maria Sorrad Array A
	TORTO JERON I JANUARY TO HE HE
	Whenevery you treceive on unsported as avoing,
)	Are on the arrow into promente till the
	you break the overay into framents till the
And the second second second second	zing of each ; quborting becomes 1. Let this
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a Spirite Contraction of the	62.3.3.2
	1 6 5
Car particle library	1 7
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	Page No Date
	avoray automptically gets sorted Bs
13	-, Pseudocode for merge zord function:
ماتد	VOID MS (ACJ, LOW, HIGH) &
Astrak	THE MED;
	MS (A, LOU - MIGH) /2;
	MS (A, MEDH, HEGH); MERGE (A, MED, LOW, HEGH);
Andrew State of the State of th	3

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