

•	How to updated in O (logna) Hime
	1. Check whether index lies in interval.
(& ,	2. If yes then check child nodes, If thild range is out
	no change in value just return.
	3. In the end you will reach leaf node, update leaf
	and recursion will update the tree
	Manual Jen said vasuo dai outdug
	Implementation:
	class Segment Tree 1
	iso imprivated static class Noder the storing
	de iap intidatagne more short i
	riss - Invint startInterval;
	and end Interval,
-	an Hisas InmaNodemlertan) 71 9219 5
	MaghiovaniNode right;
	public Mode (int start Interval, int end Interval) ?
	this-startInterval = startInterval,
4 (is is a send Interval = end Interval;
(19)	no Idenabally such
	}
	Node root;
BUNCY	abapublicat segment Tree (int [Jorr) 1 1000
ib wash	this motto constructitree (arr, 0, arriength-1);
	3 Minusperitos abos
	private node construct Tree (int[] arr, int start, int end) 1
	if (Start = = end 1
	Mode leaf-bnew Node (start, end);
	[overthe sharleof-dota-arr[start]
	and orreturn deaf;
	and all a arrest
	Node node - new Node (start, end)
	ar abay barrens a constant day

		Page No.:	8 3
		Date:	YOUVA
	int mid = (Start + end)/2;		
_	node left = this wonstruct-Tree (a)	r, start, er	(d).
417	node night = this construct Tree (
	node data = node left data + n	ode right d	ata.
	les subjustretums moder line way has	HI OF	\$
	3 931 act stobate this activities	an Fore	
	public int query (int qsi, int qe1)	1	
	return this query (this mot, q	si, qei);	
	Y san Transact	a 2001	
	private int query (Node node, int a	si, int ge	i) 1
	if (node start Interval 2- qs	किर्क ।	
	nodiend Interval	<- qei) 1	
	return node data;		
	7 else if (node start Interva	17 qeill no	ode.
	node end Inter	ral (qei)	1
2.Cin	vanishing the training terumon, adding		
	Reisekholo in		
	rerum this query cnode le	rt, qsi, qe	ei) +
	this query (node r		
	7	1	
	}	714	
	private int update Mode node, ir	it index, in	+ Yolu
	TPG index >= node grant Inter	Val 280 i	Index
	node end Interval) 1		
766	node data - value;	67)	
	return node data;		
	in Cindex = + node start-Enter	Na1 680	
	index-=node en		11
	in node dora = vo		
	return node d		
	Character & eise 4 to a soll	,	
	int lettans = updat	e Cnode, 16	oft,
	index, yo		-



	Date:
	int right Ans = update (node right,
	node data = leftans + rightAns;
	return node data;
	3
	} cannon myhala e
	teturn node data;
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	Spains had capted and
	strong and shorten 'rethode are execusived
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