LEETCODE 1161		
Maximum Level Sun of a Binory Tre	e de	11
	calza	Pen
Input: rost =[1,7,0,7,-8, null, null]	1	
	-	
Ocoput: 2 (7)	C	
Note - Rost level storak with 1	(
7	8	
		27
Approach 1 BFS		
1) 0		
1) Baxe Case if (root == rull) return	m 0;	
2) (reate a Queue & offer root n		
int worestlevel=1;	2012	
int mox Level = 0 (1)		HILL
jut mor Sum	70	
= Integer.	F , 3	level3
MIN_VALUE (7)	7,0	levelz
		leveli
7 -8		Quew
3) White loop till queue is not Empty		13 4 1
initiatre. currentsunzo & s	-	
	14-75 180	veu say
4) Run a for loop from i=0 to ste	e	
for (int 120; i < size; i+1) }		
Frec Node nde queue. poll		
currents un ± node. val;		
if (sode . left / = null)		
aneue offe	· Cnode	- left
1) (wode. sight / = nul)		HW. L)
classmate 3 que offer C	PAGE	PÍ

	DATE DATE
	if (current Sun > max Sun) &
	max Sum z current Sum;
	La comparational
	max Lend = worest Lend;
	3
	currentlevel ++; = increare levels aftercoords for
	next queue position/level
	next queue position/level
	all yelsen so condends arreaged.
	5) Return markenel;
	S) Thereto over Employel & god the index
	Approach 2 DFS
	1) To the male from create a 'List Contrary?
	1) Mora man gunding, Come and
	1) In the main function, create a List (Integra? Sunlevels = new Array(13+ (Integra? 1);
15.6	2) Create a recursive for and call it hore.
10	(0,0,1:1)(1)
	3) Recursive Function Looks like below
	void dEs Tree (Tree Node mode, int level, List Integry
	Sinkevel 9 8
	11 box cae
	if (node == null)!
	setun;
	(8-) (8-)
	if (sunlevels. size () == level) }
	sunlevel. add (0); // initiatre sum at
	{ level 20
	Promy [Sum tevel-set (level, sunlevel-get (level) + node.val)
	Responsibility of adds node's value to the
	Record list at melex - lovel.
10	// Recussive Call here
	classmate

	DATE DATE
	dFSTree (node left, leul+1, surleuls);
	dPs Tree (node . right, level +1, sulmberels);
	constituted a type of a levely afterward
	vert quous parthe How
	4) Once Recurire calls are done, we get all values in sumlevels arraylist.
	(S) Rotion mortenel;
	5) Iterate over sumlevels & find the index
	at which value is greatest
	1) The state made of function, copied a "Little To Logar"
	6) Retron index + 1 as answer.
	[1, 7, -1] and = 1
	(1),0,[1]) 1 +1 =2 Sumlerels =2
	11
12/2	(2) 1 51 77) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4
	(9,1,[1,7]) $(0,1,[1,7,-1]$
	[1,7,-1]
	X X X
(7)	(-8) (-8) (-1,7,-1])
ss me	or Countries of Contries of Co
	> X
ela	Dans & Sun level - set (level) similard act (level) + y
No.	Rewssim Tree
	Remove Lines I had
	1/ Re USBSP (all home)
	classmate