



	a de la de la constantina della constantina de la constantina della constantina dell
	class Min Stack {
	bublic:
	vector < pair < int, int>>st;
	MinStack(){
(T)	the property of the state of th
2. 6	3
- 11	void bush (int val) {
	// Empty case
1100	if (Strand 1 6)) S
	if (st.empty()) {
	pair <int int="">p= make-pair</int>
	St. bush_back (b) i same
	// not empty case
	eise 2
	pavi (int) pi
	p.first = val;
dot.	/minimum till now to be inserted
. 3.00	(Val , St. back().
	st. bush = back (1)
	العداد ا
U D CHE	Void pob () { //Simply Bob
1-,-	Back ();
day.	int top() {// First element in pour of
· 1/2	
	element in
	Vector
	Scarifica With Cam

Scarifica With Cam

	A second					
	int get Min () {	(XI)				
	"Second element of Bair stored	at last				
	in vector will be minimum					
	retwin st. back () second j					
	3	_				
	3 j	, , , ,				
Note	- back function used to find the lo	ast				
	element of the vector.					
Q2	Longest valid paranthesis.					
	9/1) () () ())					
	$\frac{1/p+J(J(J))}{2}$	-				
	i/þ→)()()) 0/þ→ 4 → ()() dength					
	On case when the String given is empty, then					
	We have to return O Initially insert - I in stock. Whenever we encounter the open bracket,					
	Store its index in the Stack.					
N.O.	Store Its more mine score					
(I)	(Π))()				
		1 2 3				
	to the state of th					
	1 1100 1.21.151 / 111 / 101					
	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -					
	en la race se en elega della electra	·				
(III)	Bar of Array and in Array Last of Aran					
41) - in the case of closing					
	pop the index of open	ping				
	bracket.					
	$-1 \qquad \text{Find length} = 1 - (-1)$	f closing.				
	THUEXE	- CIUSING				

Scarined With Cail

(C) = 2.	Mesal.	- fe (CLASSMALE 120 Date
			(77	-]	(C) Page
			<u> </u>	V () A 1	=
	-	*(): par	W 5 1		
		2	a a a si si		
	:	, -1 bn	1200 C. K. K. A. A. C. C.	77.	10 JW .
	dength = 3 - (-1) = 4				
	Heno	e retu		0	_
					_
	Unha	appy ca	Se	7.57	e g en e
))-	→ i/b	Y =	4 2 8	· · · · · · · · · · · · · · · · · · ·
	//	· ' F	5 5 5 5 5 6 6		
	. : .		First c	loci's a la	3° 1031 11 1
			encounte	eyed So	acket was -
-:::	4 -	2-71-6	1.00 11 1	- to -	Simply pop.
		-1			
0.00	U	<u>n 415 </u>	112.66 1.114	e sail no	100 M
9 11:1.	13 16	ra and	Heye	HUTLEY O	1 21/11/
			N/C W	nile find	ing the length
			here co	de usin	g s. tob() but
				Will.	give an eour
	41.	4 empty	y Stack		
,	Henc	l Wene	eed to han	dle the	case when the
			1000 1 100	THE I A	- 2000 (the
ll e	$\pm b$	$h \times \Lambda \cap h \wedge h + 1$	· lachial	13TT 1) (1	tha °-d-v ol
	itwo	n't be	considered i	n to be	ignored as -
4,9,0	Willt	se calcu	elated after	that i	ignored as - ngth & length-
	<u>ĭnval</u>	id case	esta as as	In	ngth & length - dex as it was -
-	Code	- '- <u>+</u>	= A- C		
	2000	(See	<u> </u>)-
				SUC	ııııeu wilii da

Scarineu with Jam

	6
	int longest valid Parantheses (string s) {
	11 L'reale stack
	Stack <int>stj</int>
	// Initially add/push - 1 in Stack
	St. Push (-1)
	int maxLen = 0;
	1/ Travouse the String
	for (int i=0) i< s length (); i++){
	Chanch = S[i];
	//Ohening bank
	//Opening brocket if (ch = = '(') {
	$\frac{1}{1} \left(\frac{1}{1} \right) = \frac{1}{1} \left(\frac{1}{1} \right) = \frac{1}$
	st-bush (i); // Push index
	else { // Closing brocket + simply pop
_	//Stack empty?
_	if (st. empty()) { Important
	St. bush (i); condition &
	addition.
. 3	elset
	// Not empty -> calculate length
	int len = i - st. top();
	maxlen - max (1-
	maxLen = max (len, maxLen);
	moximum length we
	meed to find.
	return max Lenj
\dashv	3

Scanned with Cam