1	Page No.
CASIL	Name Roban sicoach USN 18101905 132
13	Date 10th June 2021, 11:15 LABTEST -1 ADA
- May	Ward hos motificon & in this
The same of	LAB PROGRAM-9
	The lost collappies with the
	soot a given sot of N integre elements using quick soot technique & compute its time taken
	quick soot technique & compute its time taken
	i byi
	#include < stdio.h)
	# Include (bime h)
	# include < stallib.h>
	void sup Cint*a, int*b)
	y int b=ta;
100	*Acto
7500	*b= b; y had hate had
.Cale	Int poutition Cint auco, inclose, inthighs
	e more property of carry to any
	Int pivot = an Enight;
	inti = clow-1);
	for cint; = low; j <= hlgh-1; j++)
	& if causis < pivoss
	for cint'; = low; j <= hlgh -1; j ++) 2
	Supplied the supplied of the s
	y y
223	swapc & au citi), & au chigh);
100	gellein Citi);
	The Marine State of the State o
	Con the service to the
Marin	

Page No. Date
void quick sort cint and, int low, int wigh)
9 y clow chigh
quide sost (aux, low, pi-1);
quide sost (du , low , pi-1);
quid bost (au, pi+1, wign),
void print auray (int aur), int size)
e ind i:
101 (i=0; i<8i2); i++)
puint (c'Pid", au (i)),
y mint (c" \n").
in the same of the
int main r int au [15000), size, i, j, ch, temp,
dock _ t stout, Ind;
11/4)(0(1)
2 print ("In o entry of N value & away ele"); puint ("In 2 to display time taken"); paint ("In 3 to exit the prog");
puint ("In2 to display time taken");
paint ("In3 to exit the plog");
puint ("In Enter your choice);
scanf (" Y.d, & ch);
l'case 1 print (" Enter the sizern");
scarf ("1.d", & size),
point f (" Enter the elevent "),
scanfell's d', sancis);
start = clock ();
quich sort cau, o, size-1); end = clock ();
hint 1 (" sooted amay:").
print andy can size,

	Tage No.	
	Date	
	print (" in time taken is my sousse"	
	to sort 1. d nos or 1. bec m"	
	size (cc double) (end-stent))/	28
thi	clocks peu secs)	
	beech;	- 6
	The sound of the s	-
	cast 2: size = 500;	- 5
300	uduite (bize=14500)	2
	d for (1=0; 1c size; 1++)	
1	2 au CiD = size-l;	433
	y 4(1-2) esturb-2007	
N	Start = clock (1;	
	quich soot (au, 0, size-1);	- 8
	11 binny loop to create delay	
and a	for (1=0; jc#500000; jtt)	
1	& temp = 38/600;	-
1.5.4	end = clocker	- 100
	print f (" In time take is "d nos	
	is 11 secsin", size, (coelouble)	
	and-start 11/clocks per sector	
	size = size + 1000;	
	9	75
	hudh;	1
	cases exitos;	
	y wan,	96
	Telter 0;	
	vitte 0,	
	7	
		1

modification int et smallest Cint & au , int low , int wigh , Int KD&

Y (K>OB K <= high-low+1) ? int pos = partition lan, low, high); 1 (pos-low== 1c-1) + setter an Epost; else if cpos-low> 16-1) à retur 16th smalest can, low pos-1, 16); retern 1cm smallest (au , pas + 1, high