	There is also
24/8/23	Sleap Sort
	Hindade < stdio. h>
	Hinclude <time. h=""></time.>
	void healt of 1
	int lax- it ard I lint u, it is?
THE THE	int largest = ?; int left = 2 = i + i
Trans-	int x=11 = 0 × 0 · 0 · 0
4-1-1	int right = 2+ 9 + 2;
T. LA .T	if (left < nad add [left] 7 add [largest]]
	largest = left;
	16 laght < n A4 ard [right] 7 arr [larg st]
	largest = right
	19 (largest 1=1)?
	int temp = add [i]
	add [i] = add [length]
	art [largest] = temp;
	heapily (arr, n, largest)
100000	3
	5
	void heap 800+ (int aro [], int h) ?
	for (inti=n/2-1; 17=6; 1)
East Eil	for (inti=n/2-1; i7=0;;) heapify (arr, n, i);
	for (indi=n-1; i 70; i)?
	ind temp = arr [0];
BEG G	axx[0] = axx[i];
	ato [i] = temp;
	3 heapty (arr, i, o);
	2 ,

int main () { ind his Print ("Enter the us. of clements; "); Scanf (" 1. d", 4m); int ary[n]; Point & O" Cuter the no of clements: "); 8 dauf 8 "-12" int ado [n]; Print ("Enta 1.d elements: ["", "); Box (int ? zo; i < n; i++)
Scanf ("1-d" Aart [i]); Clock-t Start-time = clock (); heapsoft (art, u) clock-t end-time = chocke(); Point ("Sorted array;"); for (int e=0; en; i++).
Print ("1.2", arr [i])
Print ("1"), double time -talean = (double) (End time-Start time / chocks-Per-Sec Print 6 6 Jime taken 16 seconds 14" tune faleen); oduon o

Bafna Gold -Output Enter the no of element: 6 Enta 6 elements. Sorted adray: 1 4 10 12 13 22