```
#include<stdio.h>
#include<conio.h>

void sort(int ar[], int st_ind, int end_ind)
{
	// applying INSERTION SORT Technique to sort...
	int i,j,sel_ele;
	for(i=st_ind; i<=end_ind; i++)
	{
		sel_ele = ar[i];
		for(j=i-1; j>=0 && ar[j]>sel_ele; j--)
		{
			ar[j+1] = ar[j];
		}
		ar[j+1] = sel_ele;
	}
}

void divide(int ar[], int st_ind, int end_ind)
{
	if(st_ind < end_ind)
	{
		int mid_ind = (st_ind + end_ind) / 2;
		divide(ar, st_ind, mid_ind);
		sort(ar, st_ind, mid_ind);
		divide(ar, mid_ind+1, end_ind);
		sort(ar, mid_ind+1, end_ind);
	}
}

void main()
{
	int a[] = {56, 22, 89, 12, 66, 4 , 78, 60, 41, 61};
	int i;
	clrscr();

	divide(a,0,9);
	sort(a,0,9);

	printf("Sorted elements are\n");
	for(i=0; i<=9; i++)
	{
		printf("%d\n", a[i]);
```

```
        }

        getch();
}
```