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

void quicksort(int ar[], int st_ind, int end_ind)
{
	int i,j,pivot_ind,temp;
	if(st_ind<end_ind)
	{
		pivot_ind=st_ind;
		i=st_ind;
		j=end_ind;

		while(j>i)
		{
			while(ar[i]<=ar[pivot_ind] && i<end_ind)
			{
				i++;
			}
			while(ar[j]>ar[pivot_ind] && j>=st_ind)
			{
				j--;
			}
			// swapping ar[i] and ar[j]
			if(j>i)
			{
				temp=ar[i];
				ar[i]=ar[j];
				ar[j]=temp;
			}
		}

		// now swapping ar[j] with ar[pivot_ind] (i.e. pivot element)
		temp=ar[pivot_ind];
		ar[pivot_ind]=ar[j];
		ar[j]=temp;

		// performing recursive operation for left-half and right-half
		quicksort(ar,st_ind,j-1);
		quicksort(ar,j+1,end_ind);
	}
}

void main()
```

```
{
	int i;
	int arr[] = {56,43,22,45,77,88,97,55,32,34};
	clrscr();

	quicksort(arr,0,9);

	printf("Sorted elements is\n");
	for(i=0;i<=9;i++)
	{
		printf("%d\t", arr[i]);
	}

	getch();
}
```