Write a recursive function to sort a given list of numbers. Write a main function to test the same.

```
void sort(int list[], int n){
        int i, tmp, min;
        if (n == 1) //base case
          return;
        /* find index of smallest no */
        min = 0;
        for(i = 1; i < n; i++)
           if (list[i] < list[min])
             min = i;
        /* move smallest element to 0-th element */
        tmp = list[0];
        list[0] = list[min];
        list[min] = tmp;
        /* recursion */
        sort(&list[1], n);
}
void main(){
        int a[100], n;
        cout<<"Enter no. Of elements: ";
        cin>>n;
        cout<<"Enter the elements: ";
        for(int i=0;i<n;i++)
                 cin>>a[i];
        //sort using recursion
        Sort(list,n);
```