```
// quick sort
#include<iostream.h>
#include<conio.h>
#include<stdlib.h>
#include<timer.h>
void QUICK_SORT(int *arr,int low,int high)
     int pivot,temp,i,j;
    if(low<high)
         pivot=arr[low];
         i=low+1;
         j=high;
         while(i<j)
              while(arr[i]<pivot && i<=high)</pre>
              while(arr[j]>pivot && j>low)
              if(i<j)
                   temp=arr[i];
                   arr[i]=arr[j];
                   arr[j]=temp;
              }
         }
         arr[low]=arr[j];
         arr[j]=pivot;
         QUICK_SORT(arr,low,j-1);
         QUICK_SORT(arr,j+1,high);
    }
}
void main()
     clrscr();
    Timer T;
    int n,arr[1000];
     cout<<"\n Enter the size of array: ";
     cin>>n;
    for(int i=1;i<=n;i++)
         arr[i]=random(1000);
    T.start();
    QUICK_SORT(arr,1,n);
     T.stop();
     cout<<"\n After Quick Sorting Elements: ";
     for(i=1;i<=n;i++)
     {
         cout<<arr[i]<<" ";
    cout<<"\n Exact time of Execution: "<<T.time();
     getch();
```

}			