Assignment No: - 6.3

Assignment Name: - Write a program for sorting given array in Quick sort.

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//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)
                     j--;
                     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 : ";</pre>
       cin>>n;
       for(int i=1;i<=n;i++)
       {
              arr[i]=random(1000);
```