

File Edit Search Run Compile Debug Tools Window Help QUICKS.CPP

```
#include<iostream.h>
#include<conio.h>
void swap(int *a,int *b)
{
    int t=*a;
    *a=*b;
    *b=t;
}
int partition(int arr[],int low,int high)
{
    int pivot=arr[high];
    int i = (low-1);
    for(int j=low;j<=high-1;j++)
    {
        if(arr[j]<pivot)
        {
            i++;
            swap(&arr[i],&arr[j]);
        }
    }
    swap(&arr[i+1],&arr[high]);
}
```

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QUICKS.CPP

```
[■]  
swap(&arr[i+1],&arr[high]);  
return (i+1);  
}  
void quicksort(int arr[],int low,int high)  
{  
if(low<high)  
{  
int pi=partition(arr,low,high);  
quicksort(arr,low,pi-1);  
quicksort(arr,pi+1,high);  
}  
}  
  
void main()  
{  
int a[10],n,i,j;  
cout<<"Enter Size of Array : ";  
cin>>n;  
for(i=0;i<n;i++)  
{  
cin>>a[i];  
}
```

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QUICKS.CPP

```
[■]  
}  
}  
  
void main()  
{  
    int a[10],n,i,j;  
    cout<<"Enter Size of Array : ";  
    cin>>n;  
    for(i=0;i<n;i++)  
    {  
        cin>>a[i];  
    }  
    quicksort(a,0,n-1);  
    cout<<"Array after Sorting : "<<endl;  
    for(i=0;i<n;i++)  
    {  
        cout<<a[i]<<" ";  
    }  
    getch();  
    clrscr();  
}
```

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Enter Size of Array : 4

20

46

53

2

Array after Sorting :

2 20 46 53 _

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