```cpp
#include<iostream>

using namespace std;

void swap(int *a,int *b)

{

int t=*a;

*a=*b;

*b=t;

}

void printArray(int array[],int size)

{

int i;

for(i=0;i<size;i++)

cout<<array[i]<<" ";

cout<<endl;

}

int partition(int array[],int low,int high)

{

int pivot=array[high];

int i=(low-1);

for(int j=low;j<high;j++)

{

if(array[j]<=pivot)

{

i++;

swap(&array[i],&array[j]);

}

}
```

```cpp
swap(&array[i+1],&array[high]);

return(i+1);

}

void quicksort(int array[],int low,int high)

{

if(low<high)

{

int pi=partition(array,low,high);

quicksort(array,low,pi-1);

quicksort(array,pi+1,high);

}

}

int main()

{

int data[]={2,5,3,7,1,9};

int n=sizeof(data)/sizeof(data[0]);

cout<<"Unsorted Array:\n";

printArray(data,n);

quicksort(data,0,n-1);

cout<<("Sorted array in ascending order:\n");

printArray(data,n);

}
```

```
Unsorted Array:
2 5 3 7 1 9
Sorted array in ascending order:
1 2 3 5 7 9

--------------------------------
Process exited after 0.03876 seconds with return value 0
Press any key to continue . . . |
```