Code:

```
#include<iostream> using
namespace std;
void mergearr(int a1[],int a2[],int n1,int n2,int a[]) {
        int k=0;
        for(int i=0;i<n1 || i<n2;i++) {
                a[k]=a1[i];
                k++;
                a[k]=a2[i];
                k++;
}
}
void sortarr(int a[] , int n) {
        int temp;
        for(int i=0;i<n;i++)
                for(int j=0;j<n-i-1;j++)
        if(a[j] > a[j+1]) {
                                temp=a[j];
                a[j]=a[j+1];
a[j+1]=temp;
                        }
}
int main() {
        int a1[5] = {9,3,7,5,1};
int a2[5] = {4,8,6,2,10};
        int a[10];
        cout<<"Before merging."<<endl;          for(int
i=0;i<5;i++) {          cout<< "a1[" << i <<"] --> "<< a1[i]
<< endl;
        }
```

```
	for(int i=0;i<5;i++) {
		cout<< "a2[" << i <<"] --> "<< a2[i] << endl;
	}
	mergearr(a1,a2,5,5,a);   cout<<"After
merging."<<endl;	for(int i=0;i<10;i++) {
cout<< "a[" << i <<"] --> "<< a[i] << endl;
	}
	sortarr(a,10);	cout<<"After sorting."<<endl;
for(int i=0;i<10;i++) {		cout<< "a[" << i <<"] -->
"<< a[i] << endl;
	}

}
```

Output:

```
Before merging.
a1[0] --> 9
a1[1] --> 3
a1[2] --> 7
a1[3] --> 5
a1[4] --> 1
a2[0] --> 4
a2[1] --> 8
a2[2] --> 6
a2[3] --> 2
a2[4] --> 10
After merging.
a[0] --> 9
a[1] --> 4
a[2] --> 3
a[3] --> 8
a[4] --> 7
a[5] --> 6
a[6] --> 5
a[7] --> 2
a[8] --> 1
a[9] --> 10
After sorting.
a[0] --> 1
a[1] --> 2
a[2] --> 3
a[3] --> 4
a[4] --> 5
a[5] --> 6
a[6] --> 7
a[7] --> 8
a[8] --> 9
a[9] --> 10
```