void merge(int[] array,int low,int mid,int high)

{

int i=low;int j=mid+1;int k=low;int[] resarray;

resarray=new int[max];

while(i<=mid&&j<=high)

{

if(array[i]<array[j])

{

resarray[k]=array[i];

i++;

k++;

}

else

{

resarray[k]=array[j];

j++;

k++;

}

}

while(i<=mid)

resarray[k++]=array[i++];

while(j<=high)

resarray[k++]=array[j++];

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

array[m]=resarray[m];

}

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

{

if(low<high)

{

int mid=(low+high)/2;

sort(array,low,mid);

sort(array,mid+1,high);

merge(array,low,mid,high);

}

}