**package** Arrays;

**public** **class** FourthSmallest {

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

**int** arr[]=**new** **int**[] {12,13,4,6,7,10,9};

System.***out***.println("unsorted array");

**for**(**int** temp:arr)

{

System.***out***.print(temp+" ");

}

System.***out***.println();

**int** temp;

**for**(**int** x=0;x<arr.length;x++)

{

**for**(**int** y=x+1;y<arr.length;y++)

{

**if**(arr[x]>arr[y])

{

temp=arr[x];

arr[x]=arr[y];

arr[y]=temp;

}

}

}

//sorted the given array

System.***out***.println("sorted array");

**for**(**int** s : arr)

{

System.***out***.print(s+" ");

}

System.***out***.println();

System.***out***.println("Fourth smallest element is : "+arr[3]);

}

}

Output>>

unsorted array

12 13 4 6 7 10 9

sorted array

4 6 7 9 10 12 13

Fourth smallest element is : 9