```java
import java.util.*;

public class AlternateSortingofNumbers {

    public static void main(String[] args)
    {
        Scanner s=new Scanner(System.in);
        String in=s.nextLine();
        String sp[]=in.split("\\s");
        int len=sp.length,n[]=new int[len];
        for(int i=0;i<len;i++)
            n[i]=Integer.parseInt(sp[i]);
        Arrays.sort(n);
        int blen=len-1;
        for(int i=0;i<len;i++)
        {
            System.out.print(n[blen]+" ");
            blen--;
            if(blen<len/2)
            {
                blen=i;
                break;
            }
            System.out.print(n[i]+" ");
        }
        if(len%2==0)
            System.out.print(n[blen]);
    }

}
```