14	6	19	21	12
Sample out	put:			
21	14	6	12	19
Sample Inpu	ut			
10	10	3	0	20
Sample outp	out:			
30	10	2	0	40
mport java.		C/N	ted orran	

```
forti li miditti
  1 37 18
  op[mid+i] arr[i++];
  op[mida] anti-1;
  if(n°a2 0)
  op[mid+i] arr[i].
  System.out.println("Pendulam arrangement:");
  for(i=0;i<n;i++)
  System.out.print(op[i]+"\t");
 void sort(int arr[],int n) 1/ Sorling in ascending order
  for(int i=0;i\le n-1;i++)
    for(int j=i+1;j < n;j++)
        if(arr[j] \le arr[i])
          int t=arr[i];
          arr[i]=arr[j];
          arr[j]=t;
   System.out.println("After sorting:");
   for(int i=0;i<n;i++)
     System.out.print(arr[i]+"\t");
    System.out.println();
public static void main()
Scanner sc=new Scanner(System.in);
int n;
System.out.println("Enter the size of an array:");
n=sc.nextInt();
int arr[]=new int[n];
```

```
int op[]=new int[n];
int i,j,mid=0;
System.out.println("Enter "+n+" elemets:");
for(i=0;i<n;i++)
arr[i]=sc.nextInt();
pendulam p1=new pendulam();
pl.sort(arr,arr.length);
pl.pendulam_l(arr,arr.length);
                                   ent a natural within 4000(deci
```