DAILY ONLINE ACTIVITIES SUMMARY

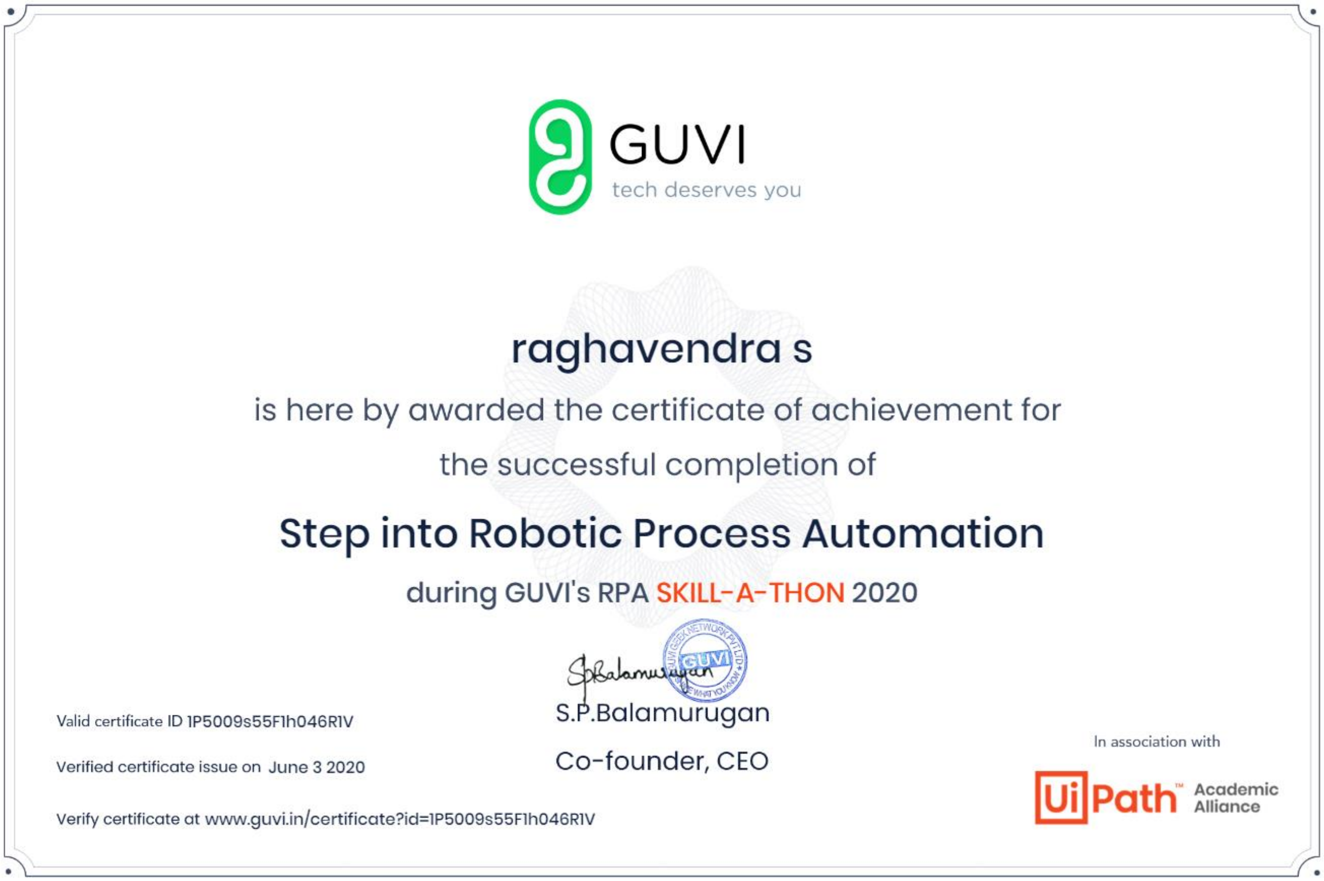
Date:	**03/05/2020**	**Name:**	**Raghavendra s**
Sem & Sec	**8 sem B sec**	**USN:**	**4AL16CS071**
Online Test Summary			
Subject	**NA**		
Max. Marks	**NA**	**Score**	**NA**
Certification Course Summary			
Course	**GUVI ROBOTICS PROCESSES AUTOMATION**		
Certificate Provider	**GUVI**	**Duration**	**3.00hrs**
Coding Challenges			
Problem Statement: seating arrangement			
Status: Solved			
Uploaded the report in Github	**Uploaded**		
If yes Repository name	**Raghavendra s**		
Uploaded the report in slack	**yes**		

Online Test Details: (Attach the snapshot and briefly write the report for the same)

Certification Course Details: (Attach the snapshot and briefly write the report for the same)

Coding Challenges Details: (Attach the snapshot and briefly write the report for the same)

online certificate



GUVI
tech deserves you

raghavendra s

is here by awarded the certificate of achievement for the successful completion of

Step into Robotic Process Automation

during GUVI's RPA SKILL-A-THON 2020

SpBalamurugan

GUVI GEEK NETWORK PVT LTD ★ SHARE WHAT YOU KNOW
GUVI

S.P.Balamurugan
Co-founder, CEO

Valid certificate ID 1P5009s55F1h046R1V

Verified certificate issue on June 3 2020

Verify certificate at www.guvi.in/certificate?id=1P5009s55F1h046R1V

In association with
UiPath™ Academic Alliance

ONLINE CODDING

You are given triangles, specifically, their sides , and . Print them in the same style but sorted by their areas from the smallest one to the largest one. It is guaranteed that all the areas are different.

The best way to calculate a volume of the triangle with sides , and is Heron's formula:

where .

Input Format

First line of each test file contains a single integer . lines follow with , and on each separated by single spaces.

Constraints

-
-
- , and

Output Format

Print exactly lines. On each line print integers separated by single spaces, which are , and of the corresponding triangle.

Sample Input 0

```
3
7 24 25
5 12 13
3 4 5
```

Sample Output 0

```
3 4 5
5 12 13
7 24 25
```

```
// Sort an array a of the length n
  int *p=malloc(n*sizeof(int));
//create array of size n to store "volumes"
  for(int i=0;i<n;i++)
  {
          float a=(tr[i].a+tr[i].b+tr[i].c)/2.0;
//use 2.0 compulsary int/int gives int, int/float gives float
    p[i]=(a*(a-tr[i].a)*(a-tr[i].b)*(a-tr[i].c));
//formula without sqrt as areas are different guarenteed
//because sqrt dosent work well with float values
  }
//bubble sort
  for(int i=0;i<n;i++)
  {
    for(int j=0;j<n-i-1;j++)
    {
      if(p[j]>p[j+1])
      {
        int temp=p[j];
        p[j]=p[j+1];
        p[j+1]=temp;
//swapping array of areas in ascending
//and simuntaneously the structure contents
        temp=tr[j].a;
        tr[j].a=tr[j+1].a;
        tr[j+1].a=temp;
        temp=tr[j].b;
        tr[j].b=tr[j+1].b;
        tr[j+1].b=temp;
```

```
                temp=tr[j].c;
                tr[j].c=tr[j+1].c;
                tr[j+1].c=temp;
            }
        }
    }
}
```