**ARRAYS-TARGET SUM TRIPLETS**

Take as input N, the size of array. Take N more inputs and store that in an array. Take as input “target”, a number. Write a function which prints all triplets of numbers which sum to target.

**Input Format:**

First line contains input N. Next N lines contains the elements of array and N+1 line contains target number.

**Constraints:**

Length of Array should be between 1 and 1000.

**Output Format**

Print all the triplet present in the array.

**Sample Input**

9

5

7

9

1

2

4

6

8

3

10

**Sample Output**

1, 2 and 7

1, 3 and 6

1, 4 and 5

2, 3 and 5

**Program-**

#include<iostream>

#include<algorithm>

using namespace std;

int main() {

int n;

cin>>n;

int a[n];

for(int i=0;i<n;i++)

{

cin>>a[i];

}

int k;

cin>>k;

sort(a,a+n);

int l;

int r;

for(int i=0;i<n;i++)

{

l=i+1;

r=n-1;

while(l<r)

{

if(a[i]+a[l]+a[r]==k)

{

cout<<a[i]<<", "<<a[l]<<" and "<<a[r]<<endl;

l++;

r++;

}

else if(a[i]+a[l]+a[r]<k)

{

l++;

}

else{

r--;

}

}

}

}