import java.util.Scanner;

public class Main

{

public static void main(String[] args) {

//System.out.println("Hello World");

Scanner sc=new Scanner(System.in);

System.out.println("Enter size");

int n=sc.nextInt();

int []ar=new int[n];

System.out.print("Enter elements");

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

{

ar[i]=sc.nextInt();

}

System.out.println("Enter number to be checked");

int num=sc.nextInt();

int k=0;

int count=0;

while(k<n)

{

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

{

if(i!=k && i>=k)

{

if(ar[i]+ar[k]==num)

{

count++;

System.out.println("hll");

}

}

}

k++;

}

System.out.print(count);

}

}

2.

import java.util.Scanner;

import java.util.HashMap;

import java.util.Map;

public class Main

{

public static void main(String[] args) {

//System.out.println("Hello World");

Scanner sc=new Scanner(System.in);

System.out.println("Enter size");

int n=sc.nextInt();

int []ar=new int[n];

System.out.print("Enter elements");

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

{

ar[i]=sc.nextInt();

}

System.out.println("Enter number to be checked");

int num=sc.nextInt();

Map<Integer, Integer> map =new HashMap();

int flag=0;

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

{

if(map.containsKey(num-ar[i]))

{

System.out.print(map.get(num-ar[i]) +"and "+ i+"; ");

flag=1;

}

else

{

map.put(ar[i],i);

}

}

if(flag==0)

{

System.out.println("not found");

}

}

}