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Utility codes for quick start (https://helpcenter.mymapit.in/?page_id=871)

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Medals calculation

C countries participated in an event that happened in April of 2021 and 2022 in Dubai. There were K categories in which Gold, Silver and Bronze prizes were given to the participants. Given a country and type of medal, **write a C program to get the total number of (required type) medals have been won by the given country (in 2021 and 2022 combined).**

Hint: Matrix Addition

Sample Input 1

3 2 1 // Participated countries=3, Country number =2, Medal type =1

12 1 10 10 4 5 5 12 18 // Medals count for the year 2021

10 6 5 12 4 1 18 1 8 // Medals count for the year 2022

Sample Output 1

22 // 22 gold medal won by country number 2

Input Explanation: The first line contains three positive integers 'C', 'N' and 'M' where 'C' is the number of countries that

C (gcc 4.8.3) ▼



► Compile & Run

O/P »

```

1  #include<stdio.h>
2
3  int main(){
4      int n; // no. of countries participated
5      int c; // country no for which we need to calculate medals
6      int m; // type of medal to calculate for country c
7      scanf("%d%d%d",&n,&c,&m);
8
9      int arr2021[3*n]; // for a year, there are n participants with 3 types of
                        // medals, so blocks will be 3*n
10     int arr2022[3*n];
11     int i;
12
13     // inserting data into 2 arrays for 2 years
14     for(i=0; i < 3*n; i++)
15         scanf("%d",&arr2021[i]);
16     for(i=0; i < 3*n; i++)
17         scanf("%d",&arr2022[i]);
18
19     // calculate the index on which medal 'm' will be present
20     int index = (3*(c-1)+m-1);
21
22     int sumOfMedals = (arr2021[index] + arr2022[index]);
23

```

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