## computeTotal2D

Write a C function that takes a 4x4 two-dimensional array matrix of integer numbers as a parameter. The function computes the total of the first three elements of each row of the array and stores it at the last element of the row. The function prototype is given as follows:

```
void computeTotal2D(int matrix[SIZE][SIZE]);
```

A sample program template is given below to test the function:

```
#include <stdio.h>
#define SIZE 4
void computeTotal2D(int matrix[SIZE][SIZE]);
int main()
 int a[SIZE][SIZE];
 int i,j;
 printf("Enter the matrix data (%dx%d): \n", SIZE, SIZE);
 for (i=0; i<SIZE; i++)
   for (j=0; j<SIZE; j++)
     scanf("%d", &a[i][j]);
 printf("computeTotal2D(): \n");
 computeTotal2D(a);
 for (i = 0; i < SIZE; i++) {
   for (j = 0; j < SIZE; j++)
     printf("%d ", a[i][j]);
   printf("\n");
 }
 return 0;
void computeTotal2D(int matrix[SIZE][SIZE])
 /* Write your code here */
```

Some test input and output sessions are given below:

```
(1) Test Case 1
Enter the matrix data (4x4):
1234
2345
3456
6789
computeTotal2D():
1236
2349
34512
67821
```

(2) Test Case 2

```
Enter the matrix data (4x4):
   123-4
   23-45
   3 - 4 5 6
   -6789
   computeTotal2D():
   1236
   23-41
   3 -4 5 4
   -6789
(3) Test Case 3
   Enter the matrix data (4x4):
   1 -2 3 4
   2 -3 4 5
   3 - 4 5 6
   6-789
   computeTotal2D():
   1 -2 3 2
   2 -3 4 3
   3 -4 5 4
   6 - 7 8 7
```