public static int[] sum(int[][] array) {

//create an array of size array.length int[] result = new int[array.length];

int total;

//Loop over the first dimension for (int i = 0; i < array.length; i++) {

total = 0;//Make sure to re-initialize the total in each iteration

//For each row calculate the sum and store it in total for (int k = 0; k < array[i].length; k++) {

total += array[i][k]; }

//When you finish put the result of each row in result[i] result[i] = total; } return result;