Write a program that do the following:

1.- Add the elements of an array of 5 integers, where the integers must be entered with the keyboard.

2.- Compute the average of three elements of an array of “oats, also the numbers must be entered with the keyboards.

3.- Find out if a specific integer is part of an array, the array will have the following elements {12, 23, 34, 98, 87, 65, 0}, the user must enter the number to search for and the program tells whether the number is in the list or not. Use functions for every requirement. And from the main method, call the specific functions accordingly.

**#include <stdio.h>**

**#define dim 5**

**#define dim 2**

**#define dim 3**

**void DrawAverage(int A[],int dimension)**

**{**

**int sum=0;**

**int average, aux;**

**for(int i=0; i<dim ; i++)**

**{**

**aux = sum;**

**sum = A[i]+aux;**

**}**

**printf(" sum value is: %i", sum);**

**average = sum/dim;**

**printf("|| average : %i |", average);**

**}**

**void TheAverageF(float B[])**

**{**

**float sum=0;**

**float average, aux;**

**for(int i=0; i<dim2 ; i++)**

**{**

**aux = sum;**

**sum = B[i]+aux;**

**}**

**printf("how much is sum worth : %f", sum);**

**average = sum/dim2;**

**printf("|| average is: %f |", average);**

**}**

**void FindNumber(int number, int G[])**

**{**

**int position=0;**

**for(int i=0; i<7; i++)**

**{**

**if (number==G[i])**

**position=i;**

**}**

**if(position !=0)**

**printf("|| Number found at position: %i ||", position+1);**

**if not**

**printf("|| Number not found :( ||");**

**}**

**int main()**

**{**

**int NumerosP[dim];**

**printf(" Array of 5 integers");**

**for(int i=0; i<dim; i++)**

**{**

**printf("Enter a number [%i] : ",i+1);**

**scanf("%i", &NumbersP[i]);**

**}**

**GetAverage(NumbersP,dim);**

**printf(" Array of 3 Floats");**

**float NumerosF[dim2];**

**for(int i=0; i<dim2; i++)**

**{**

**printf("Enter a number [%i] : ",i+1);**

**scanf("%f", &NumerosF[i]);**

**}**

**DetermineAverageF(NumbersF);**

**printf(" A number in an array");**

**int NumbersG[]= {12, 23, 34, 98, 87, 65, 0};**

**int number;**

**printf("Enter the number you want to search for: ");**

**scanf("%i", &number);**

**FindNumber(number, NumbersG);**