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1: //Find sum and avarage of user input numbers with array and for loop .
2: #include <stdio.h>
3: int arr[50]; // define an integr array can carry 50 elements
4: int n=0,i,sum=0; //define n,i,sum, are int type global variables.
5: float avg; //avg is float type global variable
6: int main()
7: {
8:     printf("Enter number of Elements\n"); //ask user to enter the number of elements.
9:     scanf("%d",&n); //store the user input to n variable.
10:    {
11:        //printf("Number of elements are =%d\n",n); //display the value of n variable
12:    }
13:    printf("Enter values of the Elements\n"); //ask user to enter the value elements.
14:    for(i=0;i<n;i++) //loop for iterate scanf function n numbers.
15:    {
16:        scanf("%d",& arr[i]); //store the values to array index 0 to n
17:    }
18:    {
19:        printf("Number of elements are = %d\n",n); //display the value of n variable
20:    }
21:    for (int i=0;i<n;i++) //add the value of index 0 to index n in the array and find the sum
22:    {
23:        {
24:            sum = sum + arr[i]; //add the entire value of elements and save to sum variable.
25:            avg = (float)sum/n; //type cast the result and store to variable avg
26:        }
27:    }
28:    printf("Sum = %d\n",sum); //display the value of sum.
29:    printf("The avarage = %.3f \n",avg); //display the value avarage.
30:    return 0;
31: }

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