sum of array elements using pointers

#include <stdio.h>

#include <malloc.h>

void main(){

int i, n, sum = 0;

int \*ptr;

printf("Enter size of array : ");

scanf("%d", &n);

ptr = (int \*) malloc(n \* sizeof(int));

printf("Enter elements in an array: ");

for (i = 0; i < n; i++)

{

scanf("%d", ptr + i);

}

for (i = 0; i < n; i++)

{

sum = sum + \*(ptr + i);

}

printf("Sum of all elements in an array is = %d", sum);

}

OUTPUT:

Enter size of array : 5

Enter elements in an array: 1

23

4

5

2

Sum of all elements in an array is = 35