1. Sum of Array Elements

```c
#include <stdio.h>
int main(){
    int i, arr[8] = {1, 5, 7, 13, 6, 5, 4, 6};
    int sum = 0;
    for(i = 0; i < 8; i++){
        sum += arr[i];
    }
    printf("Tong cac phan tu trong mang la: %d", sum);
    return 0;
}
```

```
Tong cac phan tu trong mang la: 47
-----------------------------------
Process exited after 0.08171 seconds with return value 0
Press any key to continue . . . |
```

2. Find the maximum value in an Array

```c
#include <stdio.h>
int main(){
    int i, arr[8] = {1, 5, 7, 13, 6, 5, 4, 6};
    int max = arr[0];
    for(i = 0; i < 8; i++){
        if(arr[i] > max){
            max = arr[i];
        }
    }
    printf("Gia tri lon nhat la: %d", max);
    return 0;
}
```

```
Gia tri lon nhat la: 13
-----------------------------------
Process exited after 0.03675 seconds with return value 0
Press any key to continue . . .
```

3. Manage student infomatuon with input and display multiple students

```c
#include <stdio.h>
#include <stdlib.h>
struct Student {
    int id;
    char name [50];
    float grade;
};
int main(){
    int n, i;
    printf("Nhap vao so luong sinh vien: ");
    scanf("%d",&n);

    struct Student* students = (struct Student*)malloc(n*sizeof(struct Student));
    for(i = 0; i < n; i++){
        printf("\nNhap thong tin cho sinh vien thu %d\n", i+1);
        printf("Nhap ID: ");
        scanf("%d", &students[i].id);
        getchar();
        printf("Nhap ten: ");
        scanf("%[^\n]s", students[i].name);
        printf("Nhap diem: ");
        scanf("%f", &students[i].grade);
        getchar();
    }
    printf("\nThong tin cac sinh vien da nhap: \n");
    for(i = 0; i < n; i++){
        printf("\nSinh vien thu %d\n", i+1);
        printf("ID: %d\n", students[i].id);
        printf("Name: %s\n", students[i].name);
        printf("Grade: %.2f\n", students[i].grade);
    }
    free(students);
    return 0;
}
```

```
Nhap vao so luong sinh vien: 2

Nhap thong tin cho sinh vien thu 1
Nhap ID: 1905
Nhap ten: Nguyen Anh Duc
Nhap diem: 8

Nhap thong tin cho sinh vien thu 2
Nhap ID: 1906
Nhap ten: Tran Anh Tuan
Nhap diem: 7

Thong tin cac sinh vien da nhap:

Sinh vien thu 1
ID: 1905
Name: Nguyen Anh Duc
Grade: 8.00

Sinh vien thu 2
ID: 1906
Name: Tran Anh Tuan
Grade: 7.00

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Process exited after 52.05 seconds with return value 0
Press any key to continue . . .
```