문제해결기법(13967005)

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```c
#define _CRT_SECURE_NO_WARNINGS// or scanf_s
#include <stdio.h>
#include <math.h>
#include <stdlib.h>
#include <string.h>
#include <time.h>
#include <ctype.h>

void calculate(int *n1,int *n2,int *re1,int *re2, int *re3,int *re4);

int main() {


        int N1 = 10, N2 = 5;
        int re1, re2, re3, re4;

        printf("\nN1 = %d  N2 = %d\n", N1, N2);

        if (N2 != 0)
        {
                calculate(&N1, &N2, &re1, &re2, &re3, &re4);
                printf("N1 * N2: %d \nN1 / N2: %d \nN1 %% N2: %d \nN1 + N2: %d\n", re1, re2,
re3, re4);
        }
        else if(N2==0)
        {
                printf(" %d cannot be divided by 0\n",N1);
        }

        N1 = 100;
        N2 = 0;
        printf("\nN1 = %d  N2 = %d\n", N1, N2);
        if (N2 != 0)
        {
                calculate(&N1, &N2, &re1, &re2, &re3, &re4);
                printf("N1 * N2: %d \nN1 / N2: %d \nN1 %% N2: %d \nN1 + N2: %d\n", re1, re2,
re3, re4);
        }
        else if (N2 == 0)
        {
                printf(" %d cannot be divided by 0\n", N1);
        }

        N1 = 342500;
        N2 = 20;
        printf("\nN1 = %d  N2 = %d\n", N1, N2);
        if (N2 != 0)
        {
                calculate(&N1, &N2, &re1, &re2, &re3, &re4);
                printf("N1 * N2: %d \nN1 / N2: %d \nN1 %% N2: %d \nN1 + N2: %d\n", re1, re2,
re3, re4);
        }
        else if (N2 == 0)
        {
                printf(" %d cannot be divided by 0\n", N1);
        }
```

```c
        }

        N1 = 20;
        N2 = -384367;
        printf("\nN1 = %d  N2 = %d\n", N1, N2);
        if (N2 != 0)
        {
                calculate(&N1, &N2, &re1, &re2, &re3, &re4);
                printf("N1 * N2: %d \nN1 / N2: %d \nN1 %% N2: %d \nN1 + N2: %d\n", re1, re2,
re3, re4);
        }
        else if (N2 == 0)
        {
                printf(" %d cannot be divided by 0\n", N1);
        }

        N1 = -23456;
        N2 = -3867;
        printf("\nN1 = %d  N2 = %d\n", N1, N2);
        if (N2 != 0)
        {
                calculate(&N1, &N2, &re1, &re2, &re3, &re4);
                printf("N1 * N2: %d \nN1 / N2: %d \nN1 %% N2: %d \nN1 + N2: %d\n", re1, re2,
re3, re4);
        }
        else if (N2 == 0)
        {
                printf(" %d cannot be divided by 0\n", N1);
        }



        return 0;
}
void calculate(int* n1, int* n2, int* re1, int* re2, int* re3, int* re4)
{

                *re1 = *n1 * *n2;
                *re2 = *n1 / *n2;
                *re3 = *n1 % *n2;
                *re4 = *n1 + *n2;



}
```

Microsoft Visual Studio 디버그 콘솔

```
N1 = 10  N2 = 5
N1 * N2: 50
N1 / N2: 2
N1 % N2: 0
N1 + N2: 15

N1 = 100  N2 = 0
 100 cannot be divided by 0

N1 = 342500  N2 = 20
N1 * N2: 6850000
N1 / N2: 17125
N1 % N2: 0
N1 + N2: 342520

N1 = 20  N2 = -384367
N1 * N2: -7687340
N1 / N2: 0
N1 % N2: 20
N1 + N2: -384347

N1 = -23456  N2 = -3867
N1 * N2: 90704352
N1 / N2: 6
N1 % N2: -254
N1 + N2: -27323

C:\Users\한웅재\source\repos\Project2\Debug\Project2.exe(프로세스 10368개)이(가) 종료되었습니다(코드: 0개).
이 창을 닫으려면 아무 키나 누르세요...
```