문제해결기법(13967005)

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#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);

}

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;

}

