#include <stdio.h>

main()

{

int a, b;

typedef char String; /\* renaming our char datatype to String \*/

String operator; /\* here operator is '+' , '-' , '\*' , '/' that we will use in calculations \*/

typedef int bool; /\* renaming our int data type to boolean \*/

bool condition = 1; /\* condition = 1 means while condition = true \*/

/\* beginning of the program \*/

while(condition) /\* while(condition = true) \*/

{

printf("Enter first number: ");

scanf("%d",&a);

printf("\n");

printf("Enter second number: ");

scanf("%d",&b);

printf("Now enter commands to use on these numbers. \n");

printf("You can use '+' , '-' , '\*', '/' \n");

printf("You can use Q or N to quit \n");

do /\* an inner loop \*/

{

printf(">>"); /\* prompt use for the command \*/

scanf("%c", &operator);

switch(operator)

{

case '\*' : printf("%d \* %d = %d \n",a,b, a\*b);

break;

case '+' : printf("%d + %d = %d \n",a,b, a+b);

break;

case '-' : printf("%d - %d = %d \n",a,b, a-b);

break;

case '/' : if(b == 0)

printf("cannot divide by 0\n");

else

printf("%d / %d = %d \n",a,b, a/b);

break;

case 'Q' : condition = 0; break; /\*now condition = false \*/

}

if(operator == 'Q' || operator == 'N') /\*come out of the do loop \*/

break;

}while(1);

}

printf("Finished....");

}