

```

/*
Author:      F.Hössli
Date:       Jun. 2005
Description: Basic Calculator
2006 All rights reserved
HOESSLI ELECTRONICS
*/
//--- header files ---
#include <stdio.h>

//--- main ---
int main (void)
{
    //--- var declaration ---
    float ausgang, eing1, eing2;
    char opzeich, jn;

    do
    {
        do
        {
            printf("\n\t\t***** Calculator *****\n\n");
            printf("Please enter a number: \n\n");
            scanf("%f",&eing1);
            getchar();

            printf("\n\nNow enter the operation sign you want to use:\n\n");
            printf("for an addition, enter a '+'\n");
            printf("for a subthraction, enter a '-'\n");
            printf("for a multiplication, enter a '*'\n");
            printf("for a division, enter a '/'\n\n");
            scanf("%c",&opzeich);
            getchar();

            printf("\n\nAnd now, please enter the second number.\n\n");
            scanf("%f",&eing2);
            getchar();

        }while((eing2==0)&&(opzeich=='/'));

        switch(opzeich)
        {
            case '+':  ausgang= (eing1 + eing2);
                      printf("\nThe result is: %.3f %c %.3f = %.3f\n\n", eing1, opzeich, eing2, ausgang);
                      break;
            case '-':  ausgang= (eing1 - eing2);
                      printf("\nThe result is: %.3f %c %.3f = %.3f\n\n", eing1, opzeich, eing2, ausgang);
                      break;
            case '*':  ausgang= (eing1 * eing2);
                      printf("\nThe result is: %.3f %c %.3f = %.3f\n\n", eing1, opzeich, eing2, ausgang);
                      break;
            case '/':  ausgang= (eing1 / eing2);
                      printf("\nThe result is: %.3f %c %.3f = %.3f\n\n", eing1, opzeich, eing2, ausgang);
                      break;
            default:  printf("\nERROR! This operation is not avaluable!\n\n");
                      break;
        }

        printf("\nThank you for using my programs!\n F.Hoessli\n");
        getchar();
        printf("\n\nDo you want to end the programm, press 'Y', but if you want to reload the calculator-option,
press 'N'\n\n\n");
        scanf("%c",&jn);
        getchar();

    }while((jn=='N')||(jn=='n'));
    getchar();
}

```