Simple Calculator using switch case.

ALGORITHM:

STEP 1: Start the program

STEP 2: Print WELCOME TO SIMPLE CALCULATOR\n and ----------------------------\n and Enter [number 1] [+ - \* /] [number 2]\n

STEP 3: Using switch case condition switch(op)

STEP 4: Finally return 0.

COMMANDS:

printf("WELCOME TO SIMPLE CALCULATOR\n");

printf("----------------------------\n");

printf("Enter [number 1] [+ - \* /] [number 2]\n"); //Print welcome message

scanf("%f %c %f", &num1, &op, &num2); //Input two number and operator from user

switch(op) //Switch the value and perform action based on operator

PROGRAM:

#include <stdio.h>

int main()

{

char op;

float num1, num2, result=0.0f;

printf("WELCOME TO SIMPLE CALCULATOR\n");

printf("----------------------------\n");

printf("Enter [number 1] [+ - \* /] [number 2]\n");

scanf("%f %c %f", &num1, &op, &num2);

switch(op)

{

case '+':

result = num1 + num2;

break;

case '-':

result = num1 - num2;

break;

case '\*':

result = num1 \* num2;

break;

case '/':

result = num1 / num2;

break;

default:

printf("Invalid operator");

}

printf("%.2f %c %.2f = %.2f", num1, op, num2, result);

return 0;

}

OUTPUT:

WELCOME TO SIMPLE CALCULATOR

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Enter [number 1] [+ - \* /] [number 2]

23\*56

23.00 \* 56.00 = 1288.00