**SIMPLE CALCULATOR**

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This is a program of simple calculator. It simply works by taking three user inputs grouped into one scanf() function. These are separated into value One, value Two and the operator (choice of \*, /, +, -, ^). A switch statement is then used in order to run the right calculation for the given operator.

Code:

#include <stdio.h>

#include <stdlib.h>

#include <string.h>

#include <math.h>

int main(int argc, char \*argv[])

{

float valueOne;

float valueTwo;

char operator;

float answer;

printf("Enter calculation:\n\n");

scanf("%f %c %f", &valueOne, &operator, & valueTwo);

switch(operator)

{

case '/': answer = valueOne/valueTwo;

break;

case '\*': answer = valueOne\*valueTwo;

break;

case '+': answer = valueOne+valueTwo;

break;

case '-': answer = valueOne-valueTwo;

break;

case '^': answer = pow(valueOne,valueTwo);

break;

case ' ': answer = sqrt(valueTwo);

break;

default: goto fail;

}

printf("%.9g%c%.9g = %.6g\n\n",valueOne,operator, valueTwo, answer);

goto exit;

fail:

printf("Fail.\n");

exit:

return 0;

}

Thank You