#include <stdio.h>

#include <stdlib.h>

#include <ctype.h>

char \*input;

void E(), T(), F();

void match(char c) { if (\*input == c) input++; else { printf("Error\n"); exit(1); } }

void E() { T(); while (\*input == '+' || \*input == '-') { input++; T(); } }

void T() { F(); while (\*input == '\*' || \*input == '/') { input++; F(); } }

void F() {

if (\*input == '(') { match('('); E(); match(')'); }

else if (isdigit(\*input)) { while (isdigit(\*input)) input++; }

else { printf("Error\n"); exit(1); }

}

int main() {

char expr[100];

printf("Enter expression: ");

scanf("%s", expr);

input = expr;

E();

if (\*input == '\0') printf("Valid expression\n");

else printf("Invalid expression\n");

return 0;

}A screenshot of a computer

AI-generated content may be incorrect.