#include <stdio.h>

int main() {

char op1, op2, operator;

printf("Enter expression (e.g., a+b): ");

scanf(" %c%c%c", &op1, &operator, &op2);

printf("Three Address Code:\n");

printf("t1 = %c %c %c\n", op1, operator, op2);

printf("result = t1\n");

printf("\nAssembly-like Code:\n");

printf("MOV R1, %c\n", op1);

printf("%s R1, %c\n", (operator=='+')?"ADD":(operator=='-')?"SUB":(operator=='\*')?"MUL":"DIV", op2);

printf("MOV result, R1\n");

return 0;

}

A screenshot of a computer

AI-generated content may be incorrect.