#include <stdio.h>

#include <string.h>

#include <stdbool.h>

bool is\_operator(const char \*token) {

return (strlen(token) == 1 && strchr("+-\*/", token[0]) != NULL);

}

int main() {

char input[100];

printf("Enter an expression (or a single token): ");

fgets(input, sizeof(input), stdin);

input[strcspn(input, "\n")] = 0;

char \*token;

char \*rest = input;

while ((token = strtok\_r(rest, " \t", &rest)) != NULL) {

if (is\_operator(token)) {

printf("Operator: %s\n", token);

} else {

printf("Not an operator: %s\n", token);

}

}

return 0;

}