PROGRAM 3:-

#include <stdio.h>

// Function to check if the given character is a valid arithmetic operator

void checkOperator(char op) {

switch (op) {

case '+':

printf("Valid Operator: Addition (+)\n");

break;

case '-':

printf("Valid Operator: Subtraction (-)\n");

break;

case '\*':

printf("Valid Operator: Multiplication (\*)\n");

break;

case '/':

printf("Valid Operator: Division (/)\n");

break;

default:

printf("Invalid Operator: %c\n", op);

}

}

int main() {

char input;

// Taking operator input from the user

printf("Enter a single character operator: ");

scanf(" %c", &input);

// Validate the operator

checkOperator(input);

return 0;

}

OUTUPUT:-

