myprogram -o output -i input -d integer

- i input - o output -d integer

-d integer - i input1 - i input2

Assume no
spaces
String
array of
characters

Initialize Variables
Ask user to input string
Scan input from left to right looking for minus
if we don't find minus print error & quit.

Only way to this point is if we found a minus*
Figure out which option was entered

Do appropriate action depending on option

Scan input for a minus or end of line

Repeat if we found a minus
set c equal to character after minus

switch (c) {
    case 'd': assign integer num equal to argument of -d
        break;
    case 'i': assign string inputname to the arg. of -i
        break;
    case 'o': assign string outputname to arg of -o
        break;
    default: print error; exit program
}

Note: take out unnecessary spaces