I have a question about the -d option for our calculon program.

The example invocation shows:

```
$ calculon -v
   Alyssa P. Hacker
$ calculon -d
   var a = 3 ;
   var b = 4 ;
   b + a ;
   b * a ;
   b a *
   ...
   $
```

-d returns the postfix expression for:

```
   b * a ;
```

But how does the program know when to stop reading from stdin? Does the user input ctrl+d to indicate they are done inputting expressions?

---

Yes, ctrl-D is end-of-file for stdin. Your program will not need to know whether input is coming from a file or the keyboard, other than:

```
if (commandLineHasFileName(argc,argv))
    fp = fopen(getCommandLineFileName(argc,argv),"r"); //check for failure omitted
else
    fp = stdin;
```

That's all your program needs to do with regards to where input is coming from.

---

So, just to make sure I am getting this right:
calcun
 - read input from stdin, store variables, update variable values, perform valid calculations, print last expression's answer

calcun [FILENAME]
 - read input from FILENAME, store variables, update variables, perform valid calculations, print last expression's answer

calcun -v
 - return author's name

calcun -d
 - print postfix conversion of last expression from stdin upon EOF on stdin

calcun -d [FILENAME]
 - print postfix conversion of last expression from FILENAME

Subject: Re: Example Invocation Question
Posted by lusth on Fri, 02 Sep 2016 14:22:47 GMT
View Forum Message <> Reply to Message

Looks right

Subject: Re: Example Invocation Question
Posted by btlindow on Mon, 05 Sep 2016 03:18:24 GMT
View Forum Message <> Reply to Message

When I input Ctrl + D it prints a ^D as output... is this okay?

Subject: Re: Example Invocation Question
Posted by nebrinda on Mon, 05 Sep 2016 03:35:27 GMT
View Forum Message <> Reply to Message

I had the same problem because i am developing in visual studios. But once i tried it on my bash terminal it worked as expected.

Subject: Re: Example Invocation Question
Posted by btlindow on Mon, 05 Sep 2016 03:49:37 GMT
View Forum Message <> Reply to Message
I'm using bash on Mac terminal and it isn't liking it. I can cover it up if I printf a couple of whitespaces before I print the value I want.

And in a different option function (my -d) it handles Ctrl+D just fine... I couldn't track down where or how its being thrown in there since both functions are working the same way.

Subject: Re: Example Invocation Question
Posted by lusht on Mon, 05 Sep 2016 13:18:48 GMT
View Forum Message <> Reply to Message

Did you enter a newline before entering a ctl-d?

Subject: Re: Example Invocation Question
Posted by blindow on Mon, 05 Sep 2016 18:54:56 GMT
View Forum Message <> Reply to Message

I did, yes. Still trying to track it down. Its really weird because if I output two characters it overwrites the EOF characters.