My test script for the assign 1 preliminary broke, and I discovered that it was because I was still using scam version 2.2a, which I downloaded at the beginning of the semester, while the test script was written based on version 2.2d.

In the future, could there be some notice when a new version of scam is available, and in particular, which version of scam we should have tested against before submitting assignments?

What broke?

How fmt works changed after version 2.2a. I had the line

fmt("#%02X", val)

which is fine in 2.2a, but throws an exception in 2.2d because there is something in front of the %.

Sorry, forgot about that change. In a previous class student asked me to add that error check and when a student this semester asked for an addition to Scam, I compiled a new version. Unfortunately, Troll is my 64-bit machine, so I compiled the 64-bit version on troll (which also automatically installed the new version), which included all the changes from 2.2a.

Why can't Fmt be variadic like in C and also allow other stuff in the format string, like in C?
Subject: Re: Scam Versions
Posted by lusth on Mon, 12 Sep 2016 10:57:50 GMT

Because fmt is meant to be a number-to-string conversion function, not a printing function. However, I'll look into adding printf to Scam; Java finally did.

Subject: Re: Scam Versions
Posted by ldsapp on Tue, 13 Sep 2016 02:57:28 GMT

In version 2.2d, the scam interpreter is not working correctly on linux. The scam prompt and read line history are not working.

Subject: Re: Scam Versions
Posted by padietl on Tue, 13 Sep 2016 03:55:25 GMT

Apple master race.

Subject: Re: Scam Versions
Posted by lusth on Tue, 13 Sep 2016 10:38:23 GMT

Idsapp wrote on Mon, 12 September 2016 21:57

In version 2.2d, the scam interpreter is not working correctly on linux. The scam prompt and read line history are not working.

lusth@goblin:~$ scam -v
scam version 2.2d
lusth@goblin:~$ scam
Welcome to the Scam Interpreter! To exit, enter <Ctl>-D, q, or quit
scam> 3
3
scam> 3
3
Up arrow for the second 3.

Apparently not all linuxes. On what system are you seeing this behavior?

Subject: Re: Scam Versions
Posted by lusth on Tue, 13 Sep 2016 10:59:45 GMT
Is it a 64-bit system? I see this behavior on troll, which is 64-bits. You can roll back to 2.2a:

wget beastie.cs.ua.edu/scam/scam-2.2a-amd64.tgz

Subject: Re: Scam Versions
Posted by lustralasth on Tue, 13 Sep 2016 11:13:27 GMT

For some reason, on troll (where I compile the 64-bit version of scam), the interactive flag was not set and readline was not being used. I've recompiled 2.2d and uploaded it. Interactivity should work now.