CSE 6341, Programming project 0
Due Monday, August 31, 11:59 pm (0 points)

The goal of this project is to set up your execution environment for the real programming projects. Please do the following:

1) Ensure that you can log into **stdlinux.cse.ohio-state.edu**. For simple text-only SSH access, use PuTTY (http://putty.org) or a similar client. Alternatively, the FastX v3 client can be downloaded from the OCIO Self-Service portal at https://osuitsm.service-now.com/selfservice: go to Dashboard/Order Software search box and then search for FastX. Get v3.

More details at https://cse.osu.edu/computing-services/resources, in particular under Remote Access (note that those instructions refer to v2, not v3; you should use v3). Also note the instructions for Pulse VPN, which you will need to connect to the server. Details at https://cse.osu.edu/computing-services/resources/remote-access

2) From a terminal window on stdlinux, run

```
subscribe
```

If you are not subscribed already, subscribe to JDK-CURRENT. Log out, then log in again, and do 'java -version'. You should see something like

```
openjdk version "14.0.1" 2020-04-14
OpenJDK Runtime Environment (build 14.0.1+7)
OpenJDK 64-Bit Server VM (build 14.0.1+7, mixed mode, sharing)
```

3) Create a directory for the project and download a skeleton implementation. The examples are for username `buckeye.8`; obviously, replace with your own username. Let's say you have created `/home/buckeye.8/6341` for this project.

```
cd /home/buckeye.8/6341
wget web.cse.ohio-state.edu/~rountev.1/6341/project/proj.tar.gz
tar -xvzf proj.tar.gz
cd proj
```

4) Set up two environment variables. How you do this depends on what Unix shell you are using. If you are not sure, do

```
top -u buckeye.8
```

and look for some of the usual shells such as `bash` or `tcsh`. Set up the following variables:

`JFLEX_DIR` should be set to `/home/buckeye.8/6341/proj/jflex-1.7.0`

`CUP_DIR` should be set to `/home/buckeye.8/6341/proj/cup`

5) Do the following

```
cd p1; make
```

You should see many messages, ending with some warnings about deprecated APIs. Then do

```
./plan t1
```

which should produce

```
int x = 1;
float y = x+(z+6);
z = 5.6;

Process returned 0
```

6) Create the following text file `proj/p1/t2`

```
int x=5+       3; int      y =     x;
```

Run `./plan t2` and record the output

7) Create the following text file `proj/p1/t3`

```
int x+5 = 3;
```

Run `./plan t3` and record the output

8) In Carmen, submit these two outputs in a single text file