CSE 6341, Programming Project 0
Due Tue, January 16, 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 UNIX server **stdlinux.coeit.osu.edu**. For simple SSH access, use PuTTY or a similar client. Alternatively, use FastX. More details under "Resources" on the CSE 6341 web page: https://web.cse.ohio-state.edu/~rountev.1/6341/resources.html

2) From a terminal window on stdlinux, run
```
subscribe
```
Check your software subscriptions. If you are not already subscribed to JDK-CURRENT, subscribe to it. 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
```
echo $SHELL
```
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`

For example, in `bash` you can use `export VARNAME="my value"`
Make these permanent by adding them to your `.bashrc` or similar file; if you are not sure what this means, see "Resources" on the web page for more details on environment variables.

5) Log out and then log in again. Print the values of environment variables with
```
printenv
```
You should see the correct values for `JFLEX_DIR` and `CUP_DIR`

6) Do the following
```
cd p0
make
```

You should see many messages, ending with some warnings about deprecated APIs. Ignore the warnings.

7) Do
```
./plan t1
```
which should produce
```
int x = 1;
float y = x+(z+6);
z = 5.6;
Process returned 0
```

8) Create the following text file `proj/p0/t2`
```
int x=5+ 3; int y = x;
```
Run `./plan t2` and record the output

9) Create the following text file `proj/p0/t3`
```
int x+5 = 3;
```
Run `./plan t3` and record the output

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