

Homework 0

Due never

Handout 0
CSCI 334: Spring 2022

Turn-In Instructions

This is a warm-up programming assignment designed to get you looking at your computer's programming environment. It will not be graded, however, please be sure to fill out the Google Form at the end of the assignment.

Honor code: Since this is an ungraded assignment, you are welcome to partner up with another student in this class and to discuss all aspects of the work together.

Problems

Q1. (0 points) What does this program print?

The following program prints something. What does it print?

```
+++++.
j
&+!
++++.
&-!
*-.
u
&+!
*o
*+.
*o
&+!
++++.
j
&+!
*+++.
&-!
*-.
u
&+!
*o
```

To answer this question, download the lab-0-starter.zip file and follow the next few steps. Note that the \$ symbol in the instructions below signifies doing something in the console; do not type the \$.

- (a) Unzip the starter file. On Windows, you can just double-click. On other platforms, in your terminal, type:

```
$ unzip lab-0-starter.zip
```

- (b) cd into the folder that appears.

```
$ cd lab-0-starter
```

- (c) In this folder is an interpreter for the Breph programming language, written in C. You will need to compile this interpreter. In order for the following command to work, your computer must have both gcc and make installed. Lab computers in TCL 312 have these tools preinstalled.

```
$ make
```

(d) If you see no errors, run the program (`lab0.eph`) with the interpreter.

```
$ ./breph lab0.eph
```

(e) What is the output? Once you know, please fill out the following Google Form.

I encourage you to play with this language. To see what features it has, run the interpreter without any arguments; this will print a help screen.

```
$ ./breph
```

As you will see the syntax is simple—so simple that it’s hard to see how the program above produces the output you see. We will discuss this language more in class. In the meantime, can you figure out how it works? Give it a try.