

HOMEWORK 3

Due Monday 01/30 at 11:30pm

This homework has 2 parts, written homework and scripting.

Part1:

1. (1 point)

How do you place a breakpoint at the main function of your program in gdb?

2. (1 point)

When using JDB, how do you set a breakpoint at line 32 in a file hw0.java using one comand?

3. (1 point)

Say you diff two files "FileA" and "FileB" using diff, and the result is 4d3. What change do you have to make in FileA to get it to match FileB?

4. (2 points)

Consider the code below:

```
1      void foo() {
2          int x = 5;
3      }

4      int main() {
5          foo();
6          return 0;
7      }
```

If you had a breakpoint set at line 5 and you were on that breakpoint, what line would you be on if you entered

a. next _____

b. step _____

5. (1 points)

Consider the code:

```
int main() {
    int a = 0;
    int b = 1;
    a = b;
}
```

After you type in 'next', you see

a = b;

What will be the value of a?

6. (1.5 points)

Is each of the following an absolute pathname, a relative pathname, or a simple filename?

- a. /home/max
- b. /home/max/literature/promo
- c. ..

7. (1 point)

List the commands you can use to perform these operations:

- a. Make your home directory the working directory
- b. Identify the working directory

Part2

Scripting Homework 1 Instructions

In this first scripting assignment, you will use positional parameters. Positional parameters contain the command line arguments present when invoking a shell script. The value held in each positional parameter is obtained by using a '\$' before the number of the parameter, \$1, for example. To complete the shell script, you must complete the code to display the requested value to match the comment description.

How to start:

Make sure you are logged into your cs15x?? account

```
cd ~
mkdir myScript1
cp ~/../public/scripting/script1/script1.sh ~/myScript1
cd ~/myScript1
```

How to Submit

When submitting your homework, make sure the **part1** homework is completed separately in its own file. Do not complete part1 within the script.

When you are ready to submit, make sure both **part1** and **part2** files stored within the myScript1 directory and run the following script:

```
cd ~/myScript1
turnin
```