

## HW 4

In the HW4Assignment directory there is a subdirectory call *userid*, which you should rename your *userid*. Inside that directory is a Makefile and some C++ code that doesn't compile. This homework will have three steps, which you will perform by editing the code in *userid*. You will turn in the final code.

### Step 1: get the program to compile

### Step 2: (you may end up doing some of these as part of Step 1, that's ok)

Modify the Address constructor so that its body (what is between the "{" and "}") is empty.

Modify the Person constructor so that the body only contains the initialization of *dateOfBirth*.

Modify the Employee constructor so that its body is empty.

In all three of the above, the objects should be fully initialized by their constructors.

Enable all functions to be callable as virtual functions.

Any other changes you need to make to get the desired output (see below).

### Step 3: Convert the program to use no pointers and no new operations.

Make as many parameters *const* as possible. Use *reference* parameters whenever possible.

### What to turn in:

Put your final code, after completing step three, into a directory called *userid*, where *userid* is your Purdue *userid*. Include either the Makefile I provided or another Makefile to compile and run the program.

Correct output for the program:

When running the program after steps 2 and 3 the output should be as seen below.

```
add1:
1281 Gruene Rd
Greene
TX
78130
```

```
add2:
801 Bldg
Yorktown Heights
NY
10598
```

```
Employee1: Employee, Jerry Jeff Walker, 78130
Employee2: Employee, Fran Allen, 10598
```