

# CSCE 156 - Lab 5.0 - Inheritance - Worksheet

Names: \_\_\_\_\_

1. Complete Activities 1–3 and demonstrate your working design and program to a lab instructor. ?
2. Explain, in your own words the advantages of defining and using an interface. In particular, what was the advantage of defining `Payable` as an interface with respect to the `Supplier` class you created?
3. Though you had several different subclasses of `Employee`, each one was able to be stored in the same `ArrayList` in `PayrollReport`. Explain why/how this is possible.
4. You may have noticed that Eclipse has code completion abilities: type a variable name followed by a dot and several method options will pop up. You may have also noticed that many of these methods (`toString()`, `wait()`, etc.) are methods that you did not define in your own classes. Where are these methods coming from?

Lab Instructor Signature\_\_\_\_\_