

CS 162C Self Evaluation for Lab 6 – Employee List

Your name: Joseph Sepe	Date: 5/9/2021
Are you willing to allow your code to be used in example debugging demonstrations or documentation? <div style="text-align: right;">Yes No</div>	

Instructions – Part 1

This document is to be turned in alongside solution of this lab. You will use this document to indicate your status on the lab, as well as areas where you are struggling conceptually or in converting concept to code. Please use the space underneath each evaluation criteria to describe any errors you are receiving or challenges you are having implementing the required functionality for your code.

Functionality

Basic Expectations	Completed
Does the program compile and run?	Yes
Does the program run correctly and return the expected result?	Yes
Are there comments explaining what the program and various functions are doing?	Yes
Are all user inputs correctly validated?	Yes
Does your project include Person.Py, Employee.Py, functions.py and main.py?	Yes
Person Class	Completed
Does the Person class have appropriate private variables and getter and setter methods?	Yes
Employee Class (parent)	Completed
Does the Employee __init__ method have proper default parameters to create a default Employee?	Yes
Does the Player class dynamically create a new Person when it is instantiated?	Yes
Do the getEmployeeName and getEmployeeAge methods return the Person accessor results?	Yes
Is the Employee class made abstract using the abc module?	Yes
Job Classes (children)	Completed
Are all child classes implemented?	Yes
Do they correctly set the base class parameters using super?	Yes
Do the getClassNames and getAction methods correctly override the parent method?	Maybe?
Get action?	

Functions Module	Completed
Did you include appropriate constants? Please list your constants below.	N/A
Does displayEmployees correctly output all employees to a CSV document?	Yes

<i>main.py</i>	Completed
Does main contain a loop that creates the appropriate number of employees?	Yes

Instructions – Part 2

Please answer the following questions, in your own words, regarding your experiences throughout this lab.

Experiential Review

What aspects of this lab did you find most challenging?
Inheritance
What concept/s from this lab do you feel you have the best grasp on now?
I feel like I have a best grasp on creating classes and working with private variables and class methods
Describe the concept of class composition and how it is used.
Class composition is a “has a” relationship. So you can have a class Car that has an instance of Person, as driver.
What are the different parts of class inheritance and how do they work together?
Class inheritance you want to create a child class and a parent class. The child inherits the methods of the parent class. The child can also have it’s own parameters and it’s own methods related to itself.
What is the purpose of an abstract class?
An abstract class can be used to create classes that are based off of the base class. You cannot instantiate the abstract base class only the classes derived from it.
Describe the differences and similarities between inheritance and composition and what kind of things each might be used for.
Composition is used for “has a” relationships while inheritance is used for “is a” relationships. You would want to use composition when a class contains other objects. A tree has leaves. You’d want to use inheritance when a class inherits methods and data from the parent class. A birch is a tree.