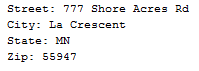
# Lab\_06\_03 -- Chapter 06 – Person Continued

## Lab Description:

Expand the Person class you created in Lab\_06\_01. This time we are going to add methods to the person class to learn more about overriding methods. Specifically, add methods to set a person’s address and set their height and weight several different ways using method overridding, as discussed below.

## Lab Requirements:

1. Make a copy of your Lab\_06\_01 to add functionality to.
2. Add private instance variables to the Person class to store and address
   1. street, city, state, and zip
   2. All as Strings
3. Create the following three setAddress() methods.
   1. public void setAddress(String street, String city, String state, String zip)
   2. public void setAddress(String city, String state, String zip)
   3. public void setAddress(String state, String zip)
   4. Allow a client to supply a null or empty street and city values. If the values are null or empty strings, set the value to “Unknown”.
   5. If the client uses a null or empty state or zip, the program should tell the user that the values must be used and then exit.
   6. Keep in mind you can call existing methods to simplify your logic and make the code easier to maintain
4. Create a method, outputAddress(), that outputs the persons address as shown below…



1. Add private instance variables to store a person’s height and weight
   1. Both height and weight should be of type double
   2. Height will be in inches and weight will be in pounds
2. Create the following setHeight() and setWeight() methods.
   1. public void setHeight(double inches)
   2. public void setHeight(int inches)
   3. public void setHeight(int feet, int inches)
   4. public void setHeightCm(double centimeters)
   5. public void setWeight(double pounds)
   6. public void setWeight(int pounds)
   7. public void setWeightKilo(double kilograms)
   8. Keep in mind you can call existing methods to simplify your logic and make the code easier to maintain
3. Create a method, outputHeight(), that outputs the person’s height in feet and inches as shown below…



1. Create a method, outputWeight(), that outputs the person’s weight to 2 decimal places in lbs as shown below…



1. All code should be put in a package names wtc.java01.*your\_last\_name*
2. Use Java formatting conventions
3. Use comments where appropriate
4. Create a driver method or class to test you program
5. Submit your source code to Blackboard
   1. Remember, your submitted source code must compile or a zero will be given