**Winter 2016 - Cmpt 103**

**Section 41 - Lab 2 mark sheet**

**Student name:** Metehan Dagsuyu  **Total: 94 marks**

**Programming style: [14 marks]**

* Duplication of code: **-2**
  + You broke the hollow\_diamond down into first\_half and second\_half but both of those functions have identical code that could have been broken down into more functions.
  + Similar duplication occurs in the helper functions for full\_diamond. The print lines in first\_part and second\_part are identical and could have been placed in a separate function.
* Properly spaced code: **-2**
  + More blank lines within the functions would make the different parts of your code stand more.
  + The comments and the code blend together which makes the code cluttered and hard to read. Lining the comments up vertically within the functions would help.
* Accurate and well-written comments: **-2**
  + You don’t need to comment every line. In fact, comments like ‘#calls function’ are not necessary at all. Try to comment blocks of code to explain what they are doing as a whole.
  + Function headers for the helper functions for hollow\_diamond and full\_diamond could give examples to show what it means to print the top half instead of the bottom half.
  + The function headers for first\_part and second\_part state that the parameter middle is an even integer indicating the middle of the width but this is not true. Sometimes it is an odd number.

**Question 1: [10 marks]**

* Fill in the blanks were correct

**Question 2: [30 marks]**

* Program worked properly when tested
* Good use of helper functions to print the top and bottom halves of the shape

**Question 3: [40 marks]**

* Program works correctly – excellent work!
* Good use of helper functions
* Interesting approach to build the shape