In this assignment you will be adapting your code of assignment of Day 06 (Moving Point) in order to detect whether your point has passed a boundary.

1) First implement the following method in your class Point

\_\_setattr\_\_(self,key,value):  
  
This method will check whether the value of coordinate x is between -2 and 2  and that the value of coordinate y is between -3 and 3.

If this is not the case, the method will raise the exception ValueError. The template for the body of this function is given below. You just need to edit the commented part.

def \_\_setattr\_\_(self,key,value):  
    ########################  
    ## ADD YOUR CODE HERE ##  
    ########################  
    self.\_\_dict\_\_[key] = value  
  
2) Adapt your main function so that it will use the try/except construction to handle the ValueError exception. More specifically, if the exception is detected, then the program prints the string " Beyond Boundary!" and then halts. Examples:

a) If the user inputs "LLLL" the output is the string

(0,0)(-1,0)(-2,0) Beyond Boundary!

Note that the program printed the starting point (0,0), and the points (-1,0) and (-2,0) corresponding to the first two positions of the input string. Nevertheless, instead of printing the third point (-3,0), it printed " Beyond Boundary!". The fourth letter of the input string was then completely ignored because the for loop was halted.

b) If the user inputs LULULULU the output is

(0,0)(-1,0)(-1,1)(-2,1)(-2,2) Beyond Boundary!

**IMPORTANT:** All material you need to know about error handling and \_\_setattr\_\_ is described in the PDF of Day 10. Dictionaries are described in PDF of day 09.

**IMPORTANT:**Between A and B means bigger than or equal to A and smaller than or equal to B.

**IMPORTANT:** In order to halt the for loop, you can use the command "break\*

**IMPORTANT:**By specification, the attributes x and y of the Point class are initialized to 0. So, there is no need to do exception handling when the point P is created.

**IMPORTANT:**This assignment only requires small adaptations in your code of DAY 06

**IMPORTANT:** Only submit your code when it is consistent with the test cases below