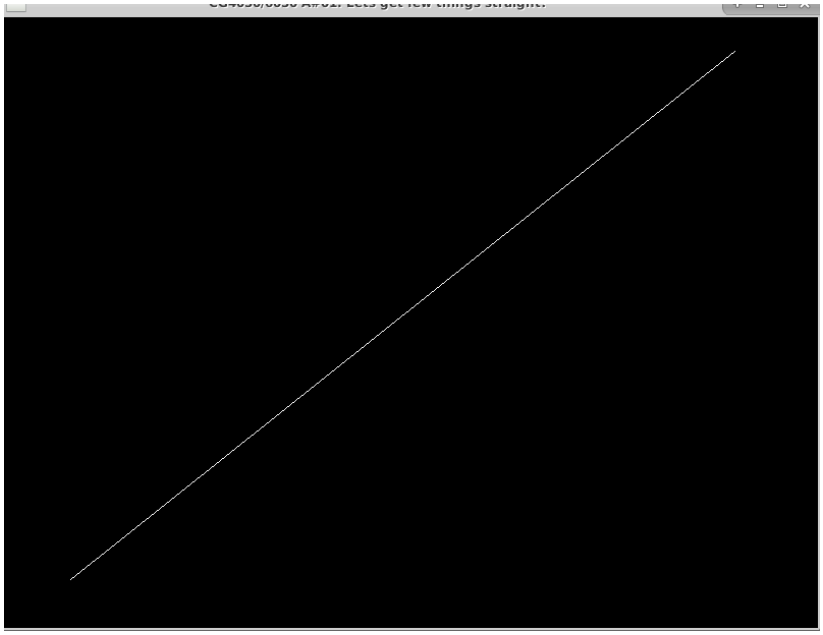
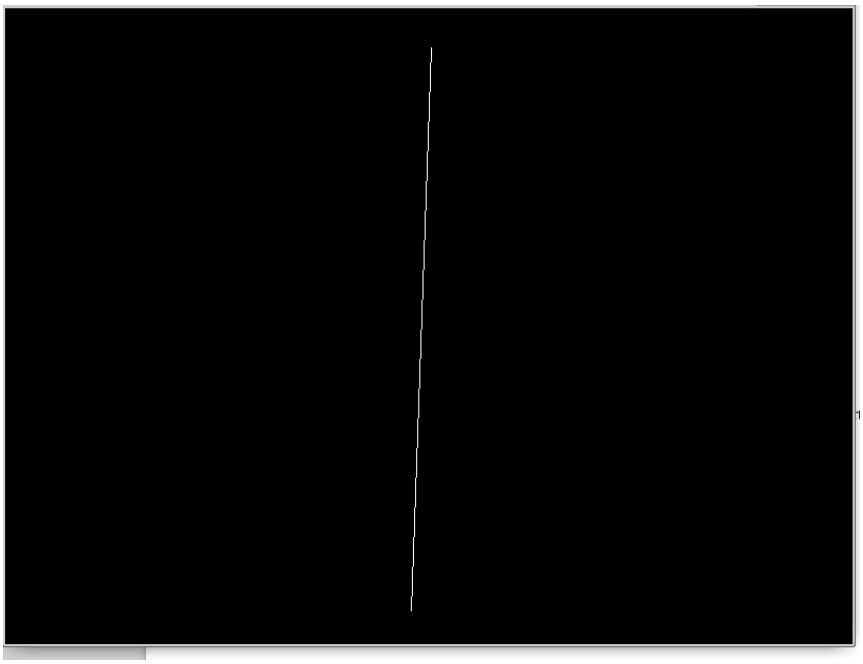
William Garnes

Assignment 1

A) Implement Bresenham's Algorithm for Drawing Line Segements





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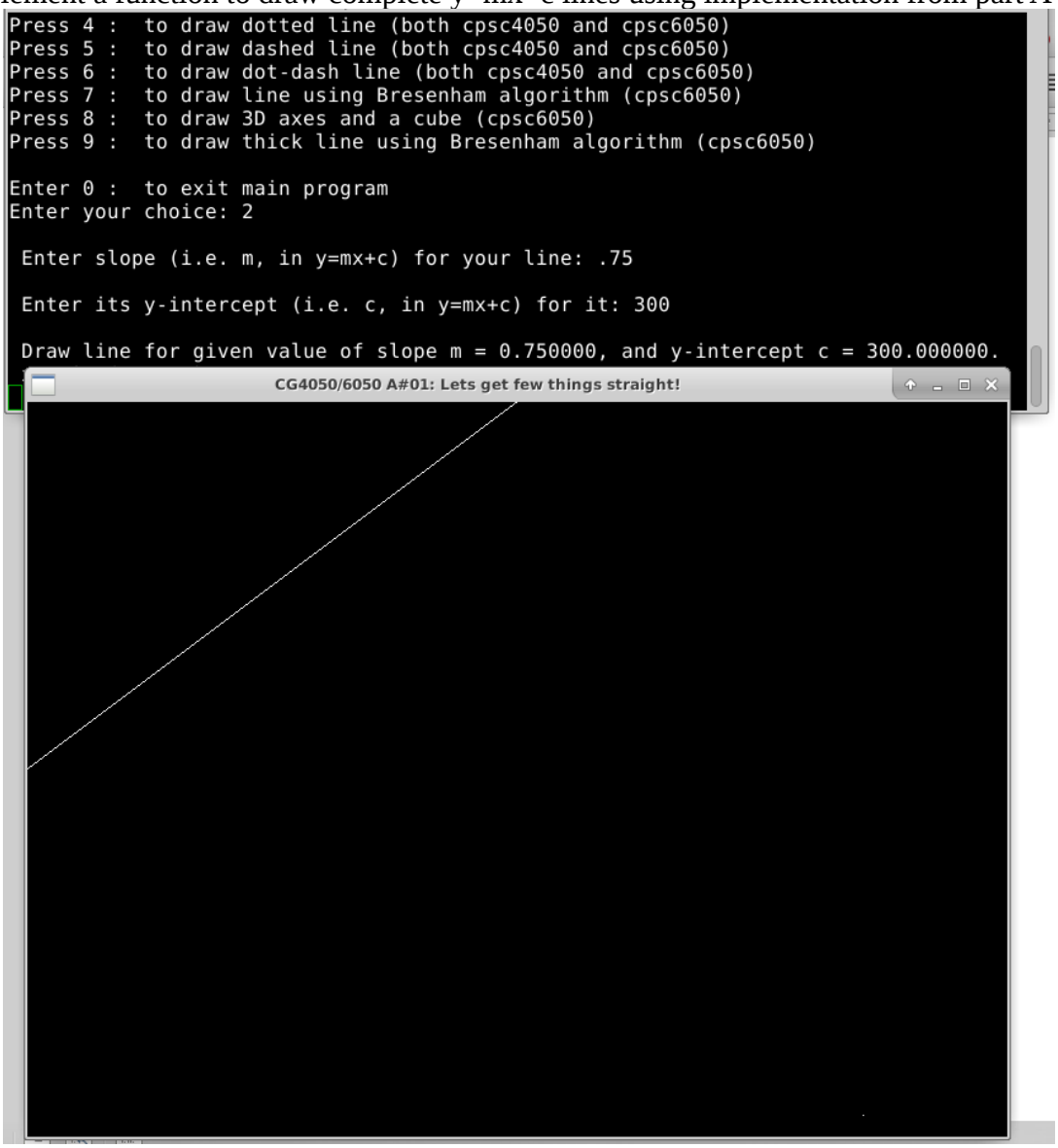
B) Implement a function to draw complete y=mx+c lines using implementation from part A



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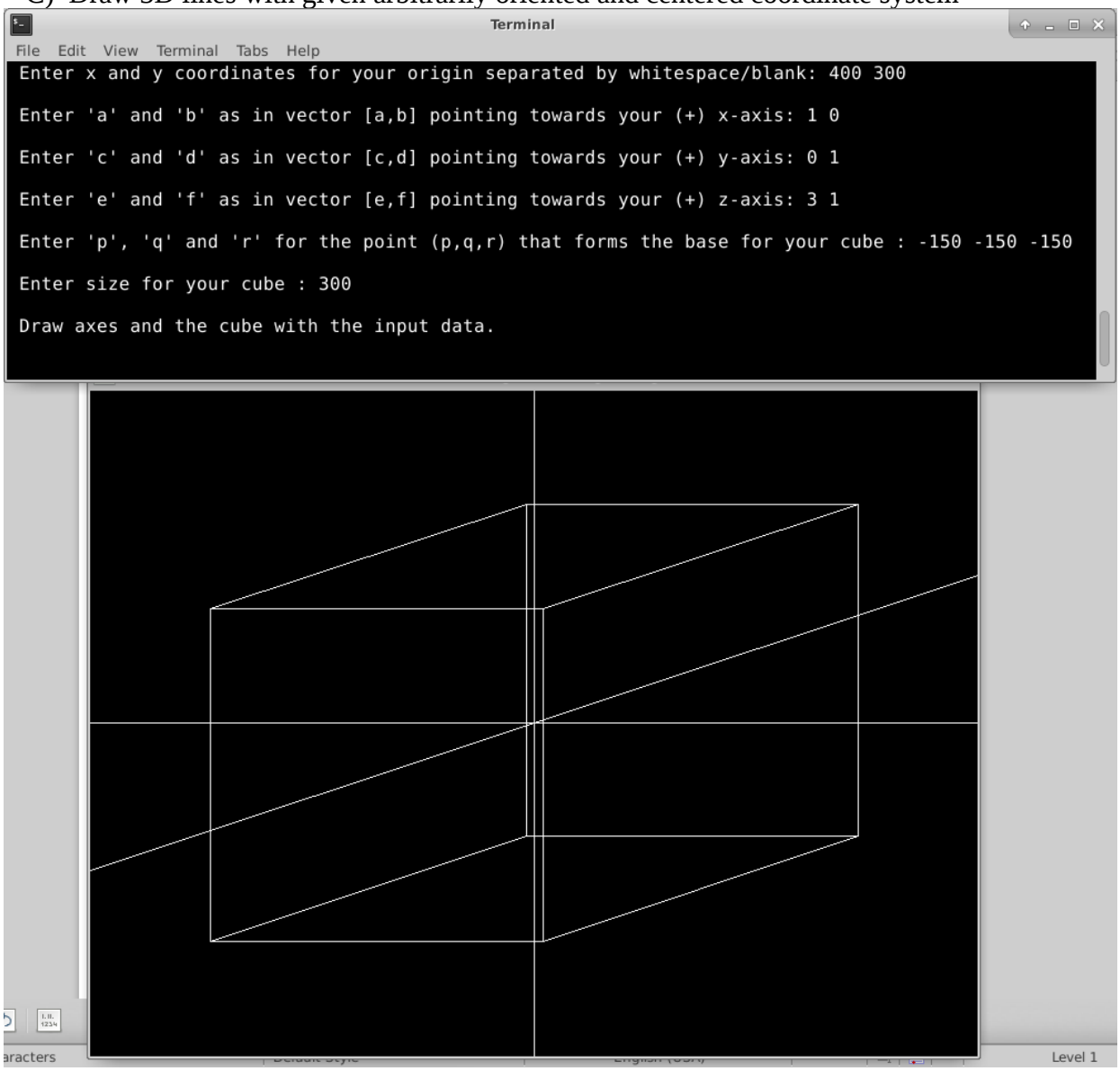
C) Draw 3D lines with given arbitrarily oriented and centered coordinate system



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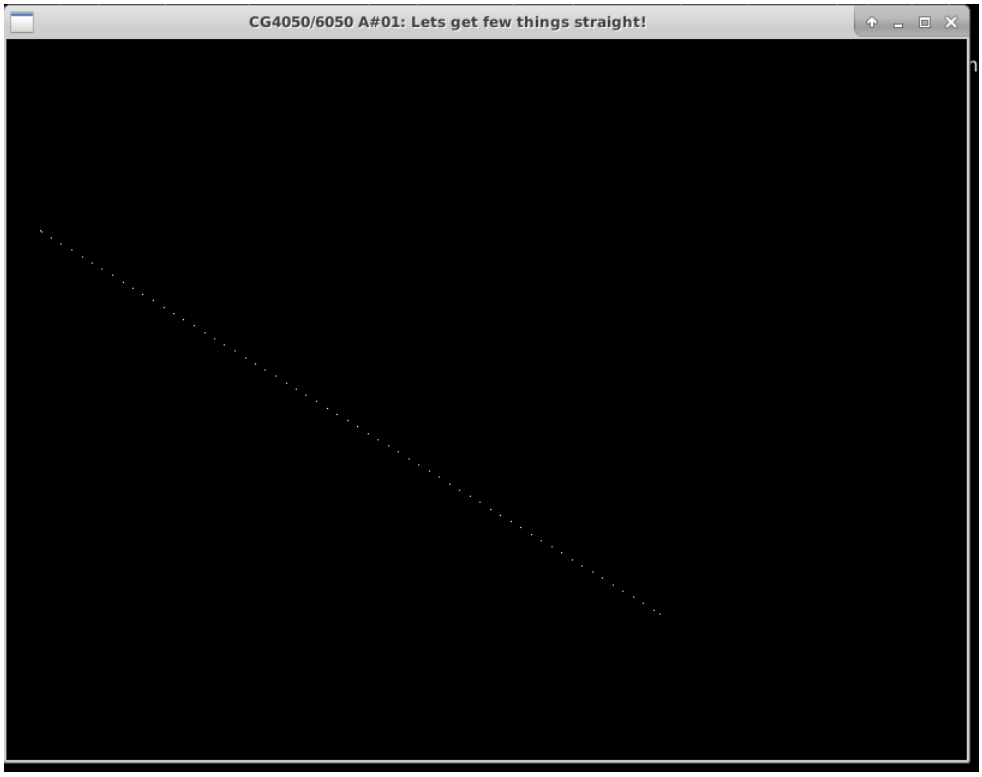
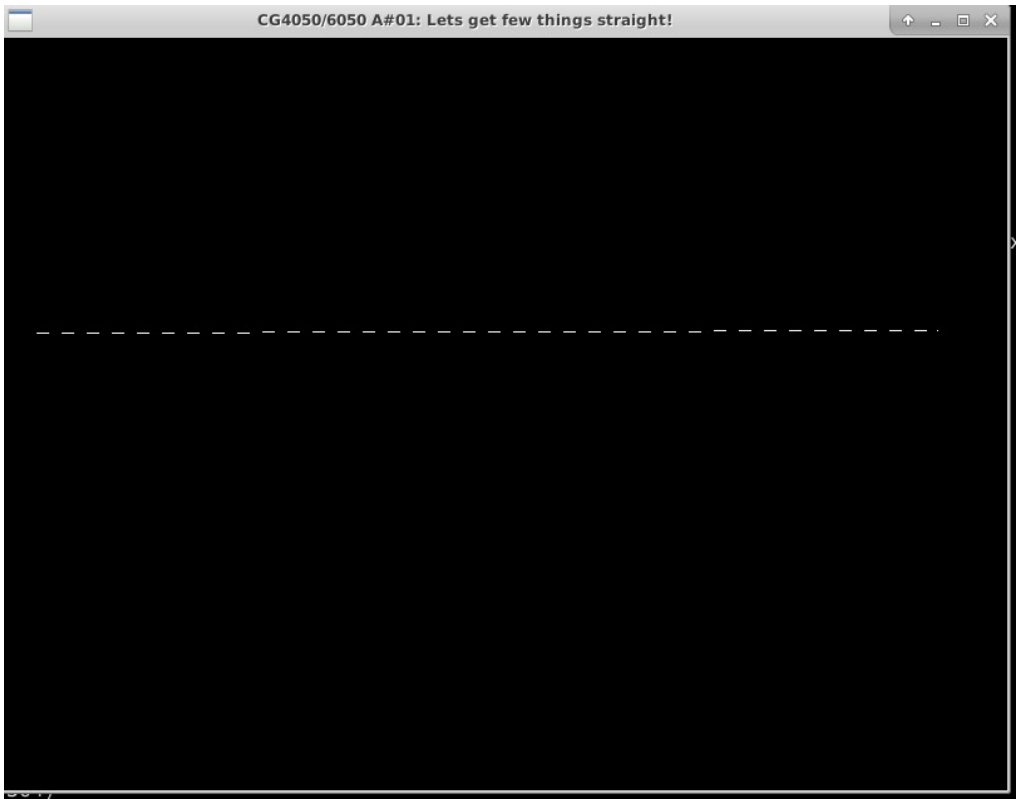
D) Draw two of the stylized lines
   i. dotted



   ii. dashed



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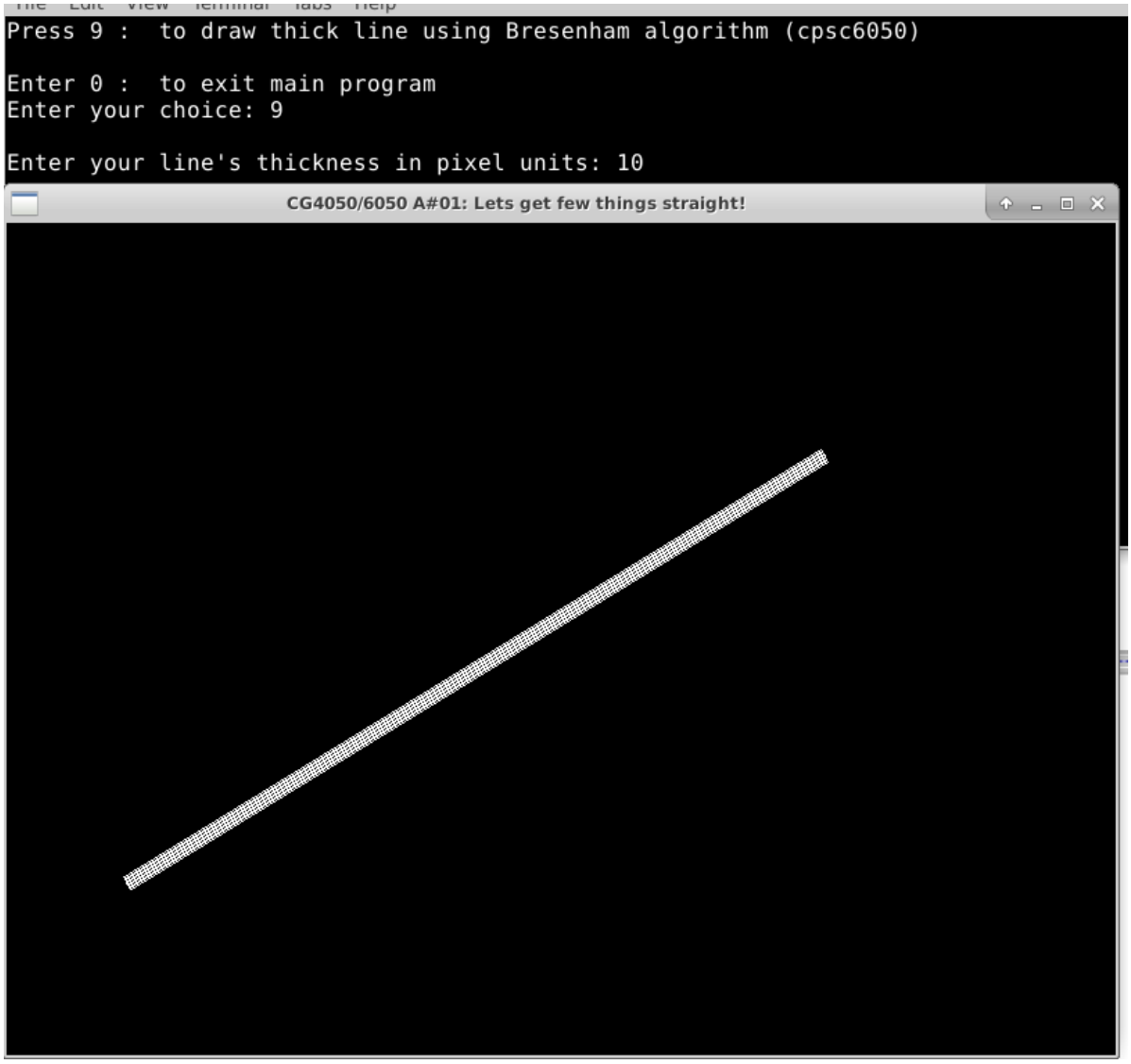
E) bonus
   i. Implement part A with arbitrary line thickness in pixels



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ii. Implement part D with arbitrary line thickness in pixels