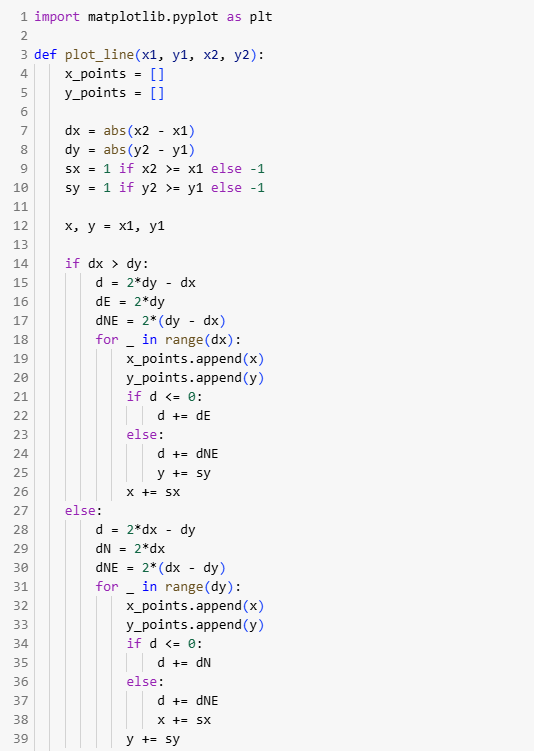
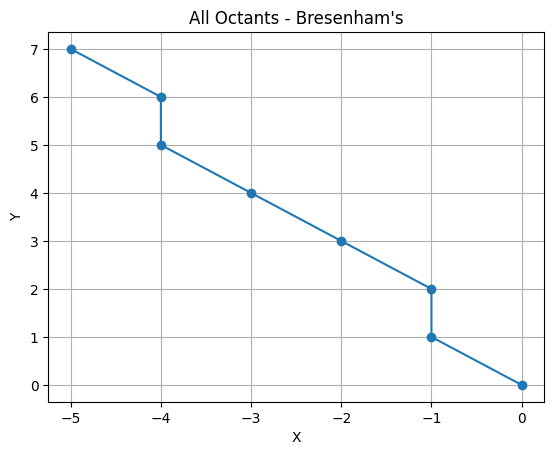
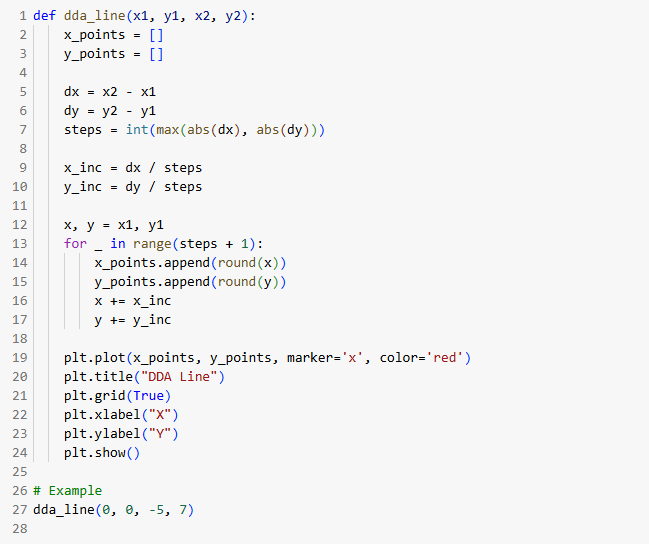
**Task 1:** Modify the algorithm to draw lines in all 8 octants

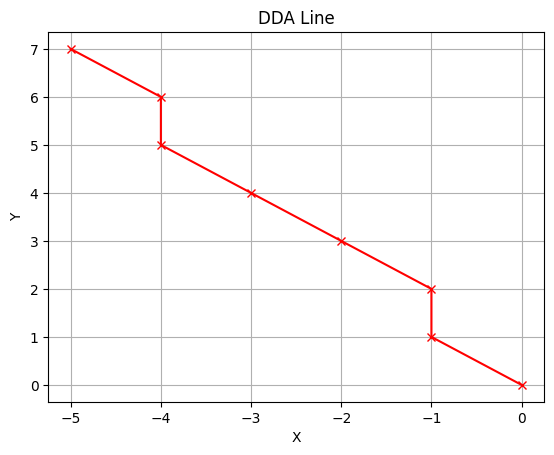




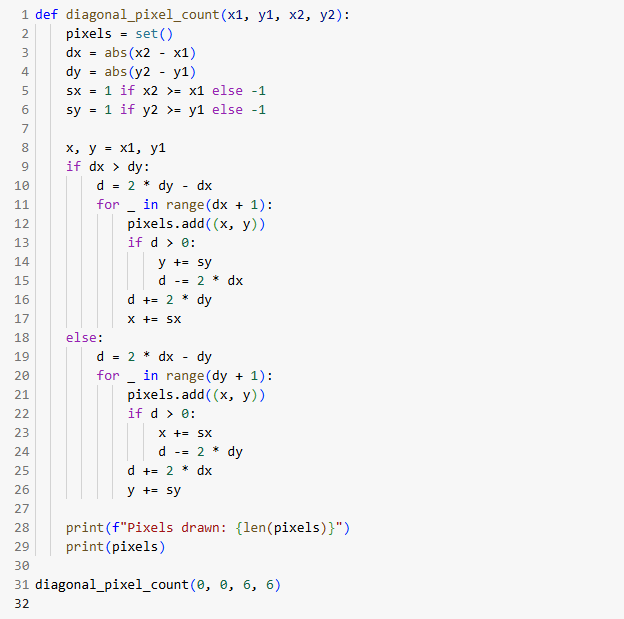


**Task 2:** Compare output with DDA algorithm





**Task 3:** Count the number of pixels drawn for a diagonal line



**Output:**



**Task 4:** Extend the code to draw multiple lines using loops

