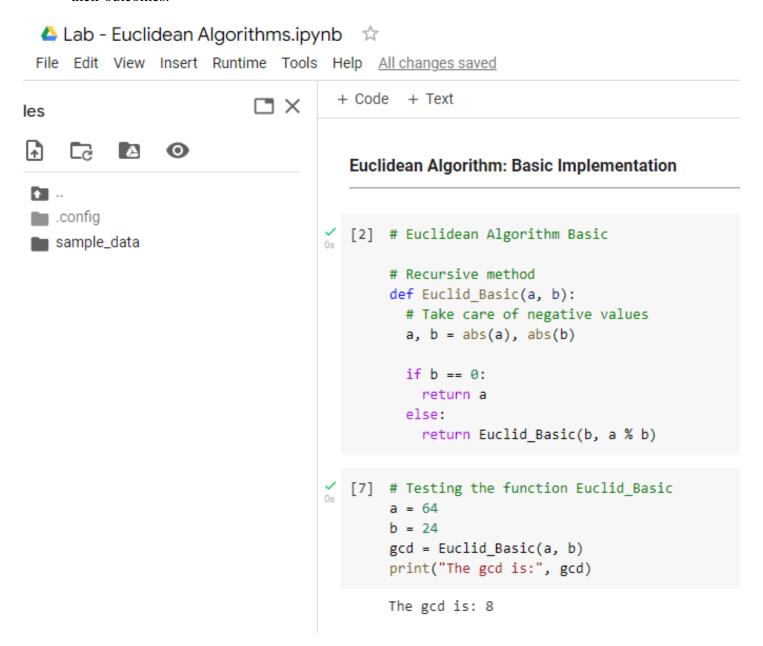
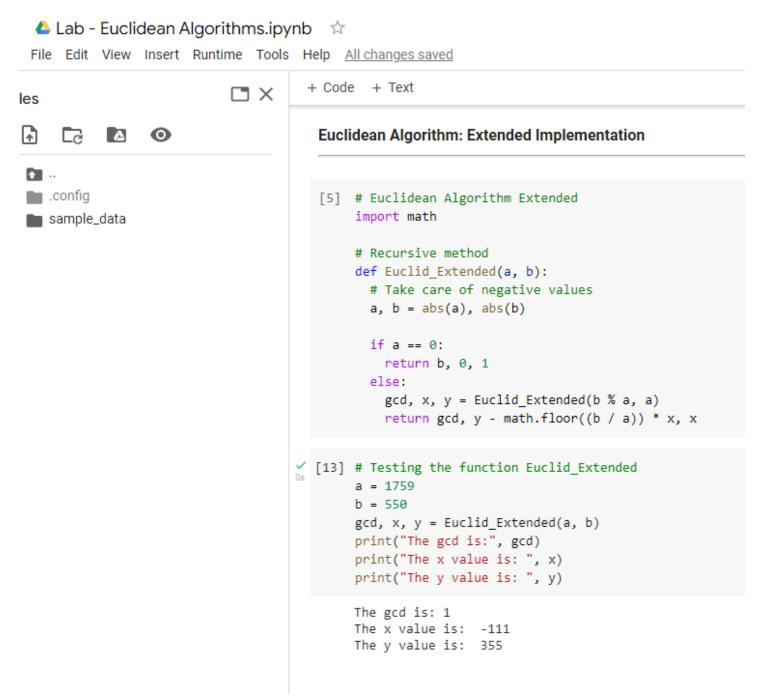
Lab – Euclidean Algorithms (Basic and Extended)

From the book, we are presented with a basic Euclidean algorithm (recursive method), which I used to implement the code below on Google Colab and tested it on some values and printed their outcomes.



For the extended Euclidean algorithm, the book explained it very well, but I still faced trouble in implementing it correctly; therefore, the geeksforgeeks link helped me resolve that problem. I printed the outcomes on the Google Colab shown below.



References:

Pearson Education. (2013). Cryptography and network security: Principles and practice.

https://www.geeksforgeeks.org/euclidean-algorithms-basic-and-extended/