**Module Code : FC723**

**Class/Group: Group A**

**Module Title: Programming Theory**

**Assessment Title: Portfolio Project 1**

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**Student GUID Number: P453118**

**Date of Submission: 27th April 2025**

“I confirm that this assignment is my own work.

Where I/we have referred to academic sources, I have provided in-text citations and included the sources in the final reference list. “

P453118/ FC723/ Sophie Norman

**Pseudocode**

Start

Input: initial\_A=270

Input: initial\_B=192

A=initial\_A

B=initial\_B

While B not equal to 0

R=A%B #use modolus to find the remainder

A=B # the new A is the old B

B=R # the new B is the remainder

Result=A # the GCD is the final value of A when B becomes 0

Output: GCD (initial\_A, initial\_B) =Result

End