

Objective:

Write a mixed language code to calculate GCD of 2 numbers.

Prerequisite:

Turbo C++ Compiler

Algorithm: (GCD)

1. Start
2. Declare 3 numbers a,b,gcd as integers.
3. Move the a and b value to AX and BX respectively
4. Repeat till $AX \neq BX$ step no 5 to 7 otherwise goto 8
5. If $AX > BX$ then goto step no 6 else goto step no 7
6. Subtract $AX \leftarrow AX - BX$
7. Subtract $BX \leftarrow BX - AX$
8. Move AX or BX to gcd variable
9. Display the gcd.
10. Stop