PROGRAMME greatestCommonDivisor

firstNumber, secondNumber, pgcd : ENTIER

DEBUT

ECRIRE("Write two numbers: ")

LIRE(firstNumber, secondNumber)

SI firstNumber > secondNumber

pgcd <-- secondNumber

SINON

pgcd <-- firstNumber

FIN SI

TANT QUE pgcd > 0 FAIRE

SI (firstNumber % pgcd == 0) ET (secondNumber % pgcd == 0)

BREAK

FIN SI

pgcd <-- pgcd - 1

FIN TANT QUE

ECRIRE(pgcd)

FIN