

```
package pgcd;

import io.Console;

public class PGCD {
    public static void main(String[] args) {
        int a = Console.readInt("a ? ");
        int b = Console.readInt("b ? ");
        int pgcd = pgcd(a, b);
        Console.println("Le PGCD de " + a + " et " + b + " est " + pgcd);
    }

    public static int pgcd(int a, int b) {
        while (a != b) {
            if (a < b)
                b = b - a;
            else
                a = a - b;
        }
        return a;
    }
}
```