```
gcd(X,X,X).
gcd(A,B,C):-
              A>B,
           D is A-B,
           gcd(D,B,C).
gcd(A,B,C):-
              B>A,
              D is B-A,
              gcd(A,D,C).
main(A,B):-
              gcd(A,B,C),
              write(C).
Output
GNU Prolog 1.4.4 (64 bits)
Compiled Jul 26 2013, 04:49:52 with gcc
By Daniel Diaz
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| ?- consult('gcd.pl').
compiling /home/tapan/progrmming/prolog/gcd.pl for byte code...
/home/tapan/progrmming/prolog/gcd.pl compiled, 15 lines read - 1452 bytes written, 14 ms
yes
| ?- main(3,6).
true?
yes
```