# Assignment 5

# Write a Prolog program to implement GCD of two numbers.

start:-write('GCD of two numbers\n'),

write('Enter a number: '),

read(X),

write('Enter a number: '),

read(Y),

gcd(X,Y,D),

write('GCD: '),

write(D).

gcd(X,X,X).

gcd(X,Y,D):-X > Y,K is X-Y,gcd(K,Y,D).

gcd(X,Y,D):-X < Y,K is Y-X,gcd(X,K,D).

**Output**

