

code\gcd.cm

```
/* A program to perform Euclid's
   Algorithm to compute gcd.
   Pulled from p. 496 of text. */

int gcd (int u, int v) {
    if (v == 0) return u;
    else return gcd(v, u - u/v * v);
    /* u-u/v*v == u mod v*/
}

void main(void) {
    int x; int y;
    x = input(); y = input();
    output(gcd(x,y));
}
```