

GCD

```
#include <math.h>
#include <stdio.h>
int main()
{
    int a,b,result,gcd;
    printf("Enter a and b:");
    scanf("%d %d",&a,&b);
    result = ((a < b) ? a : b);
    while (result > 0)
    {
        if (a % result == 0 && b % result == 0)
        {
            gcd=result;
            break;
        }
        result--;
    }
    printf("GCD of %d and %d is %d ", a, b, gcd);
    return 0;
}
```