

## gcd.c

```
1 // write a c program to find gcd of two numbers using euclidean algorithm
2
3 #include <stdio.h>
4
5 int main() {
6     int a, b;
7     printf("Enter two integers: ");
8     scanf("%d %d", &a, &b);
9
10    // check for non-negative integers
11    if (a < 0 || b < 0) {
12        printf("Please enter non-negative integers only.\n");
13    }else{
14
15        // Euclidean algorithm to find GCD
16        while (b != 0) {
17            int temp = b;
18            b = a % b;
19            a = temp;
20        }
21
22        printf("The GCD is: %d\n", a);
23    }
24    return 0;
25 }
```