

```
in.c
5 Write your code in this editor and press "Run" button to compile and execute
6
7 *****
8
9 #include <stdio.h>
10 #include <time.h>
11
12 int gcd(int n1, int n2)
13 {
14     if(n2 != 0)
15     {
16         return gcd(n2, n1 % n2);
17     }
18     else
19     {
20         return n1;
21     }
22 }
23
24 int main()
25 {
26     int n1,n2,num;
27     clock_t start,end;
28     double time_taken;
29
30     printf("Enter two positive integers: ");
31     scanf("%d %d", &n1, &n2);
32
33     start = clock();
34     num = gcd(n1,n2);
35     end = clock();
36     time_taken = ((double)(end-start))/CLOCKS_PER_SEC;
37
38     printf("\nGCD of %d and %d = %d", n1, n2,num);
39     printf("\n\nTime taken: %lf s",time_taken);
40     return 0;
41 }
```

Enter two positive integers: 4 5

GCD of 4 and 5 = 1

Time taken: 0.000003 s

...Program finished with exit code 0
Press ENTER to exit console.