

Cpp Practicals\Q7\Q7.cpp

```
1  /*
2  7. Write a program to calculate GCD of two numbers.
3  */
4
5  #include <iostream>
6  using namespace std;
7  int main()
8  {
9      int a,b;
10     cout<<"Enter num 1 : ";
11     cin>>a;
12     cout<<"Enter num 2 : ";
13     cin>>b;
14     if (a<b)
15     {
16         while (b % a != 0)
17         {
18             a = b%a;
19         }
20         cout<<"Required GCD : "<<a;
21     }
22     else
23     {
24         while (a % b != 0)
25         {
26             b = a%b;
27         }
28         cout<<"Required GCD : "<<b;
29     }
30
31
32 }
33
34 /*
35 Output:
36
37 PS C:\Users\hp\Desktop\Cpp> cd "c:\Users\hp\Desktop\Cpp\Cpp Practicals\Q7\" ; if ($?) { g++
38 Q7.cpp -o Q7 } ; if ($?) { .\Q7 }
39 Enter num 1 : 66
40 Enter num 2 : 4
41 Required GCD : 2
42 PS C:\Users\hp\Desktop\Cpp\Cpp Practicals\Q7>
43
44 */
45
46
47
```