**Question 1**

Implement GCD using recursion

**Solution**

#include <iostream>

using namespace std;

int gcd(int n1, int n2);

int main()

{

int n1, n2;

cout << "Enter two positive integers: ";

cin >> n1 >> n2;

cout << "H.C.F of " << n1 << " & " << n2 << " is: " << gcd(n1, n2);

return 0;

}

int gcd(int n1, int n2)

{

if (n2 != 0)

return gcd(n2, n1 % n2);

else

return n1;

}