6. Assignment

1. Write a program to find the greatest common divisor (GCD) of two integers M and N, according to the following algorithm

    1. Divide M by N, getting quotient Q and remainder R.

    2. If R = 0, stop. N is the GCD of M and N.

    3. If R <> 0, replace M by N, N by R, and repeat step 1.

2. Write a program to take a number of cents C, 0<=C <=99, and express C as half-dollars, quarters, dimes, nickels, and pennies.

3. Write a program that lets the user enter time in seconds up to 65355, and outputs the time as hours, minutes, and seconds.