Task 1 Create a Scala application to find the GCD of two numbers

Task 2

Fibonacci series (starting from 1) written in order without any spaces in between, thus producing a sequence of digits.

Write a Scala application to find the Nth digit in the sequence.

- > Write the function using standard for loop
- > Write the function using recursion

```
scala> def fibUsingLoop(n: Int): Int = {
           var first = 0
           var second = 1
           var count = \theta
           while(count < n){
             val sum = first + second
             first = second
             second = sum
             count = count_{y} + 1
           return first
fibUsingLoop: (n: Int)Int
scala> fib
fib2 fibUsingLoop
scala> fibUsingLoop(5)
res14: Int = 5
scala> fibUsingLoop(4)
res15: Int = 3
scala> fibUsingLoop(6)
res16: Int = 8
```

Task 3

Find square root of number using Babylonian method.

- 1. Start with an arbitrary positive start value x (the closer to the root, the better).
- 2. Initialize y = 1.
- 3. Do following until desired approximation is achieved.
- a) Get the next approximation for root using average of x and y
- b) Set y = n/x