Problem Statement

Task 1

Create a Scala application to find the GCD of two numbers

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

Task1:-

COMMANDS:-

```
object GCD {
   def gcd(a: Int,b: Int): Int = {
      if(b ==0) a else gcd(b, a%b)
   }

   def main(args: Array[String]) {
      println(gcd(25,15))
   }
}
```

EXPLANATION:-

Here we find the GCD of two numbers: 25 and 15.

OUTPUT:-

```
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```

Task3:-

COMMANDS:-

EXPLANATION:-Here we found the squareroot of number using Babylonian method.

OUTPUT:-

```
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