

## 1. GCD Code

A screenshot of a Scala IDE window titled 'acadgild@localhost:~/Desktop/AGScala'. The window contains a file named 'GCD.scala' with the following code:

```
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 of " + args(0) + " and " + args(1) + " is : " + gcd(args(0)
.toInt,args(1).toInt))
  }
}
```

The status bar at the bottom indicates 'GCD.scala' 11L, 245C, 11,0-1, and All.

## 2. GCD Scala Code Execution Output

A screenshot of a Scala IDE window titled 'acadgild@localhost:~/Desktop/AGScala'. The window shows the execution output of the GCD code. The output is as follows:

```
[acadgild@localhost AGScala]$ scalac GCD.scala
[acadgild@localhost AGScala]$ scala GCD 45 45
gcd of 45 and 45 is : 45
[acadgild@localhost AGScala]$ scala GCD 9 45
gcd of 9 and 45 is : 9
[acadgild@localhost AGScala]$ scala GCD 23 43
gcd of 23 and 43 is : 1
[acadgild@localhost AGScala]$ scala GCD 1 1
gcd of 1 and 1 is : 1
[acadgild@localhost AGScala]$
```