```
[acadgild@localhost ~]$ scala
Welcome to Scala 2.12.5 (Java HotSpot(TM) Client VM, Java 1.8.0_161).
Type in expressions for evaluation. Or try :help.

scala> val listString=List[String]("alpha","gamma","omega","zeta","beta")
listString: List[String] = List(alpha, gamma, omega, zeta, beta)

scala> println(listString.count(a=>a.length==4))
2

scala> print(listString.map(word=>(word,word.length)))
List((alpha,5), (gamma,5), (omega,5), (zeta,4), (beta,4))
scala> println(listString.map(word=>(word,word.length)))
List((alpha,5), (gamma,5), (omega,5), (zeta,4), (beta,4))

scala> println(listString.count(a=>a.matches(".*[m].*")))
2

scala> print(listString.count(a=>a.startsWith("a")))
1
scala>
```

```
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Type in expressions for evaluation. Or try :help.

scala> def gcd(a:Int,b:Int):Int=if(b==0) a else gcd(b,a%b)
gcd: (a: Int, b: Int)Int

scala> gcd(13,15)
res0: Int = 1

scala> gcd(13,10)
res1: Int = 1

scala> gcd(60,5)
res2: Int = 5

scala> gcd(0,5)
res3: Int = 5

scala> gcd(9,0)
res4: Int = 9

scala>
```