

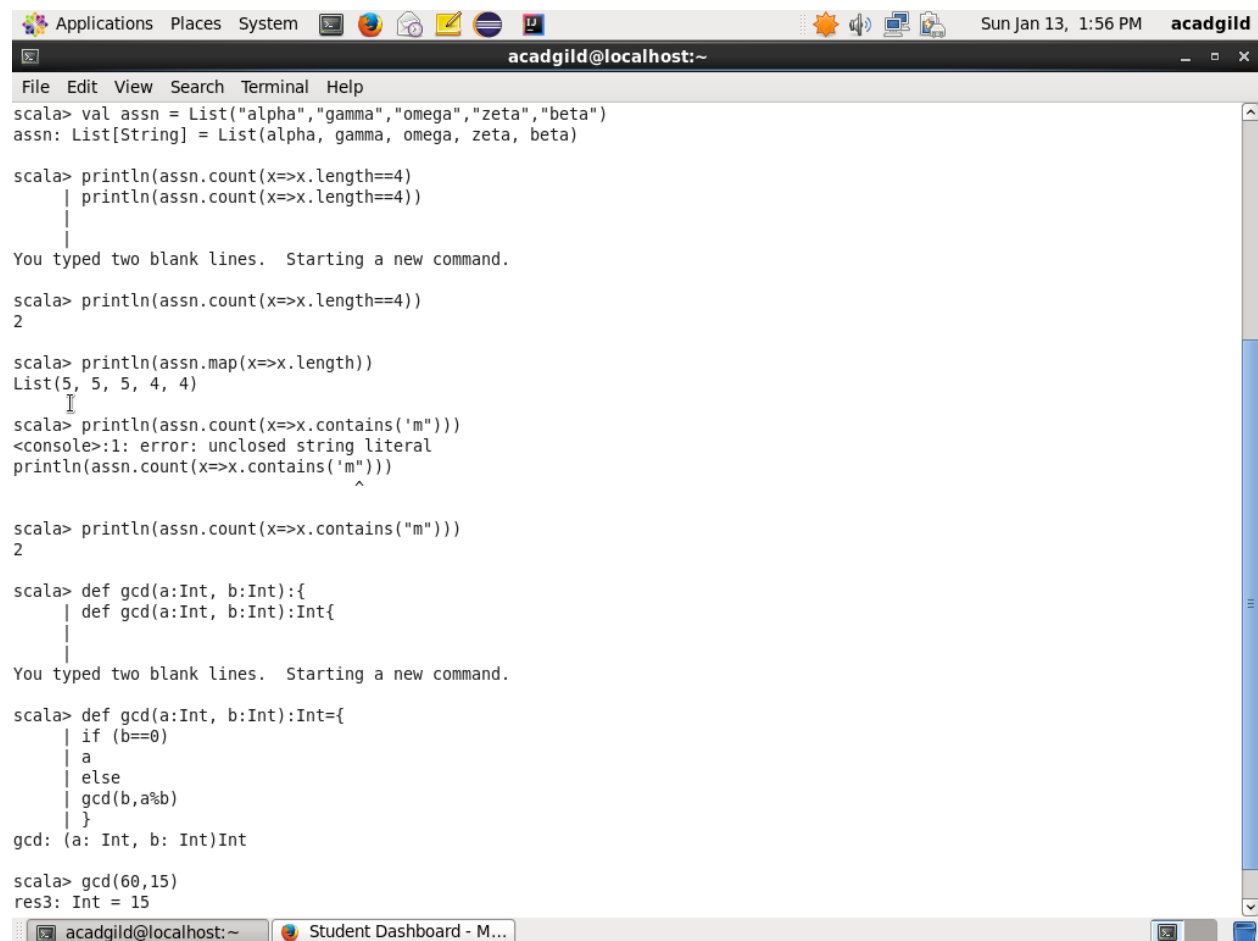
Given a list of strings - List[String] ("alpha", "gamma", "omega", "zeta", "beta")

- find count of all strings with length 4

- convert the list of string to a list of integers, where each string is mapped to its corresponding length

- find count of all strings which contain alphabet 'm'

GCD of two numbers



```
Applications Places System [Icons] Sun Jan 13, 1:56 PM acadgild
acadgild@localhost:~
File Edit View Search Terminal Help
scala> val assn = List("alpha","gamma","omega","zeta","beta")
assn: List[String] = List(alpha, gamma, omega, zeta, beta)

scala> println(assn.count(x=>x.length==4))
| println(assn.count(x=>x.length==4))
|
You typed two blank lines. Starting a new command.

scala> println(assn.count(x=>x.length==4))
2

scala> println(assn.map(x=>x.length))
List(5, 5, 5, 4, 4)

scala> println(assn.count(x=>x.contains('m')))
<console>:1: error: unclosed string literal
println(assn.count(x=>x.contains('m')))
                                   ^

scala> println(assn.count(x=>x.contains("m")))
2

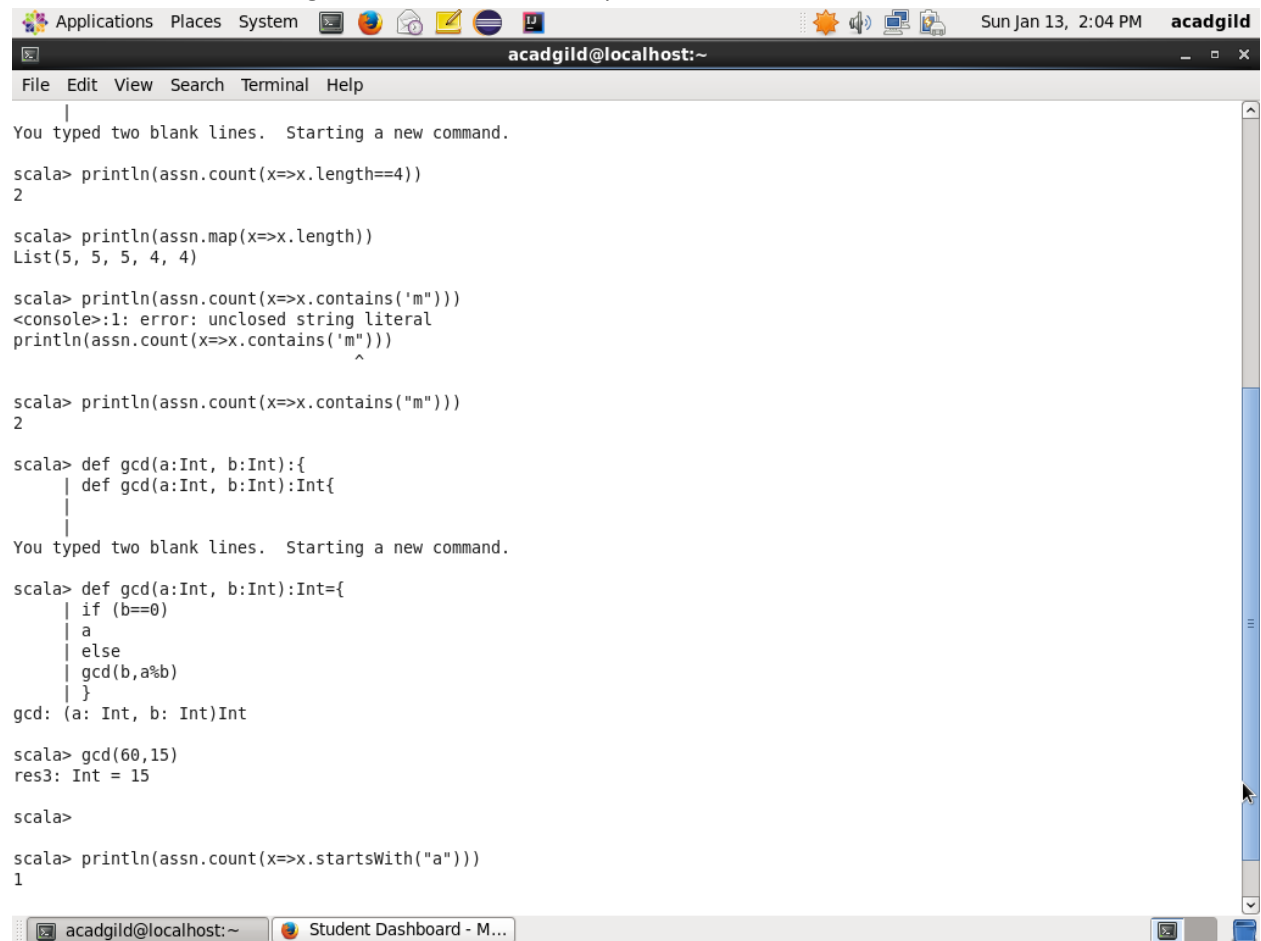
scala> def gcd(a:Int, b:Int):{
| def gcd(a:Int, b:Int):Int{
|
You typed two blank lines. Starting a new command.

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(60,15)
res3: Int = 15

acadgild@localhost:~ Student Dashboard - M...
```

find the count of all strings which start with the alphabet 'a'



The screenshot shows a terminal window titled 'acadgild@localhost:~'. The window has a menu bar with 'File', 'Edit', 'View', 'Search', 'Terminal', and 'Help'. The terminal content shows the following sequence of commands and outputs:

```
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scala> println(assn.count(x=>x.length==4))
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<console>:1: error: unclosed string literal
println(assn.count(x=>x.contains('m')))
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scala> println(assn.count(x=>x.contains("m")))
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scala> def gcd(a:Int, b:Int):Int={
|   if (b==0)
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|   | else
|   | gcd(b,a%b)
|   | }
gcd: (a: Int, b: Int)Int

scala> gcd(60,15)
res3: Int = 15

scala>

scala> println(assn.count(x=>x.startsWith("a")))
1
```

The terminal window has a taskbar at the bottom with two open applications: 'acadgild@localhost:~' and 'Student Dashboard - M...'. The system tray on the right shows the date and time as 'Sun Jan 13, 2:04 PM' and the username 'acadgild'.