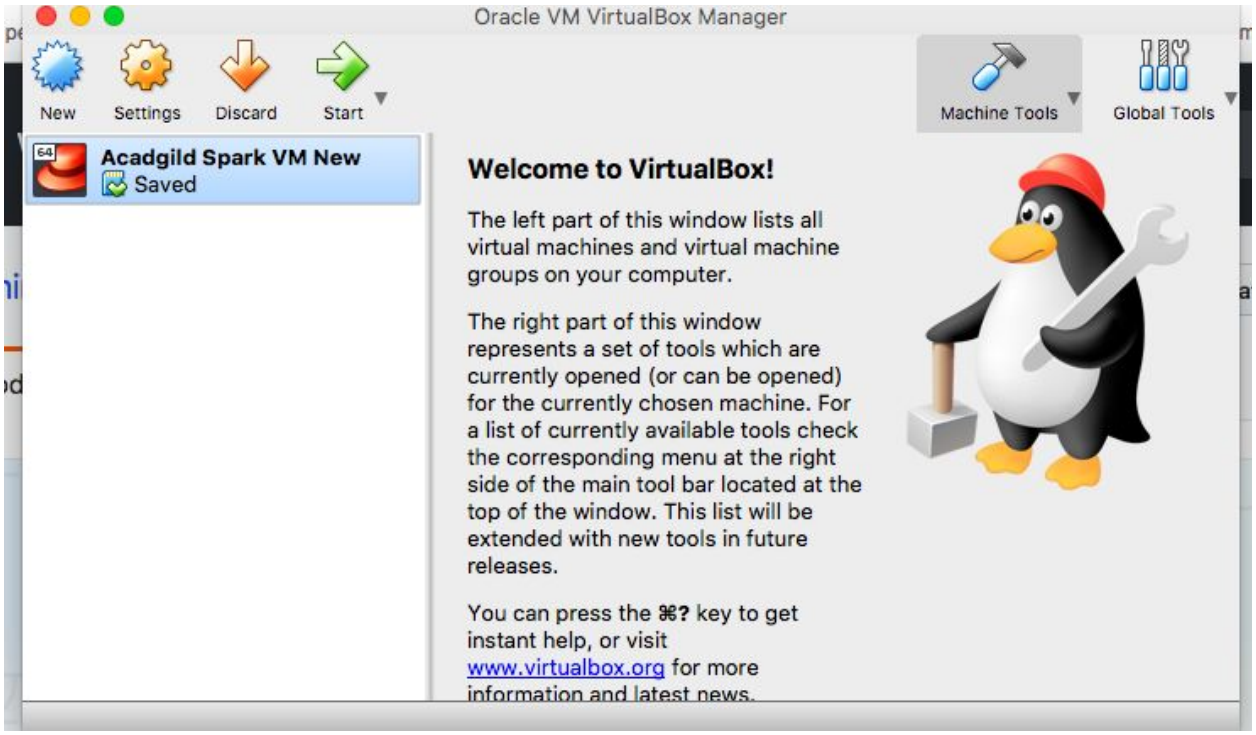
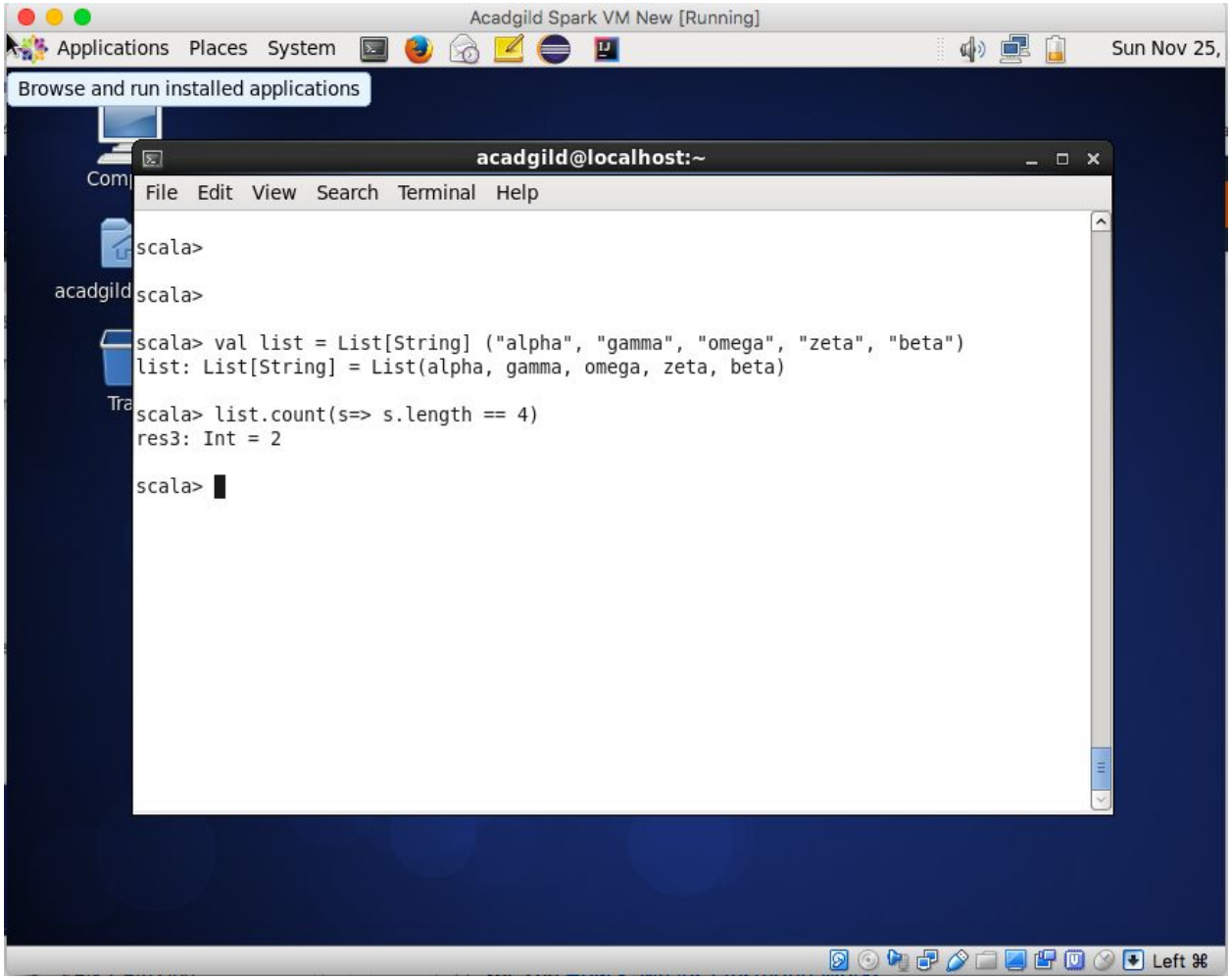
Task 1

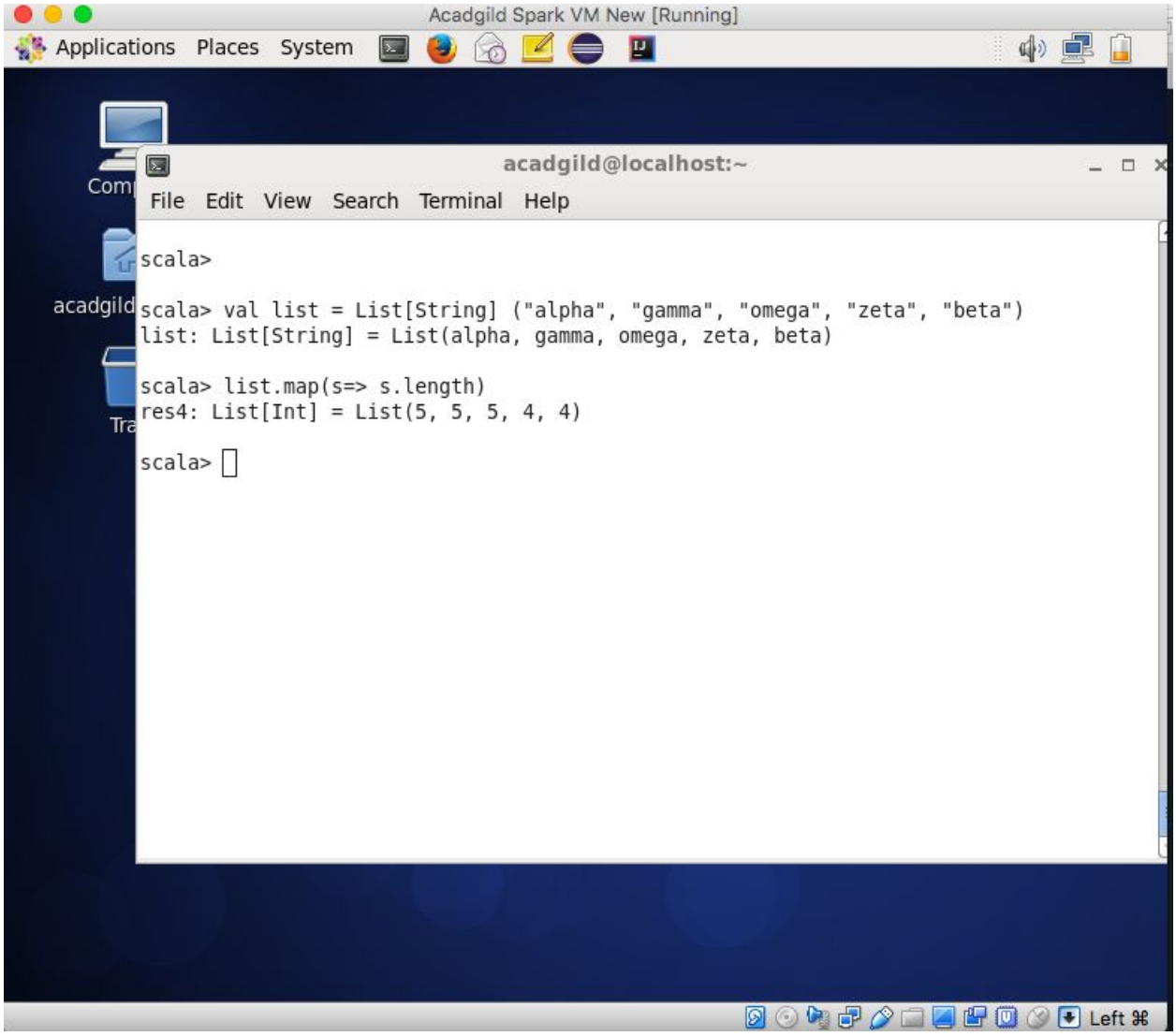
Follow the below link document steps to download and import AcadgildSpark VM in the Oracle Virtual
Box.

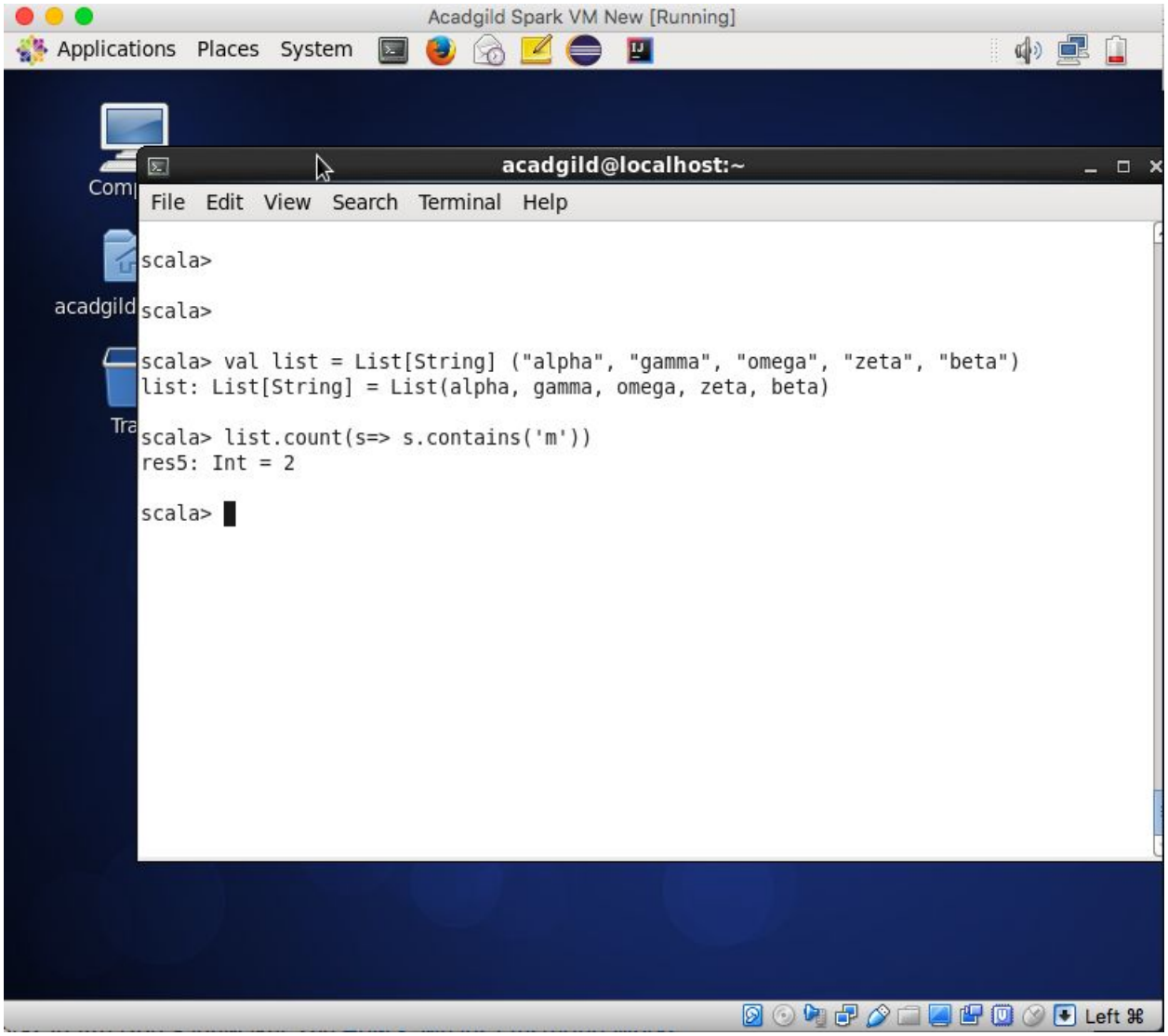


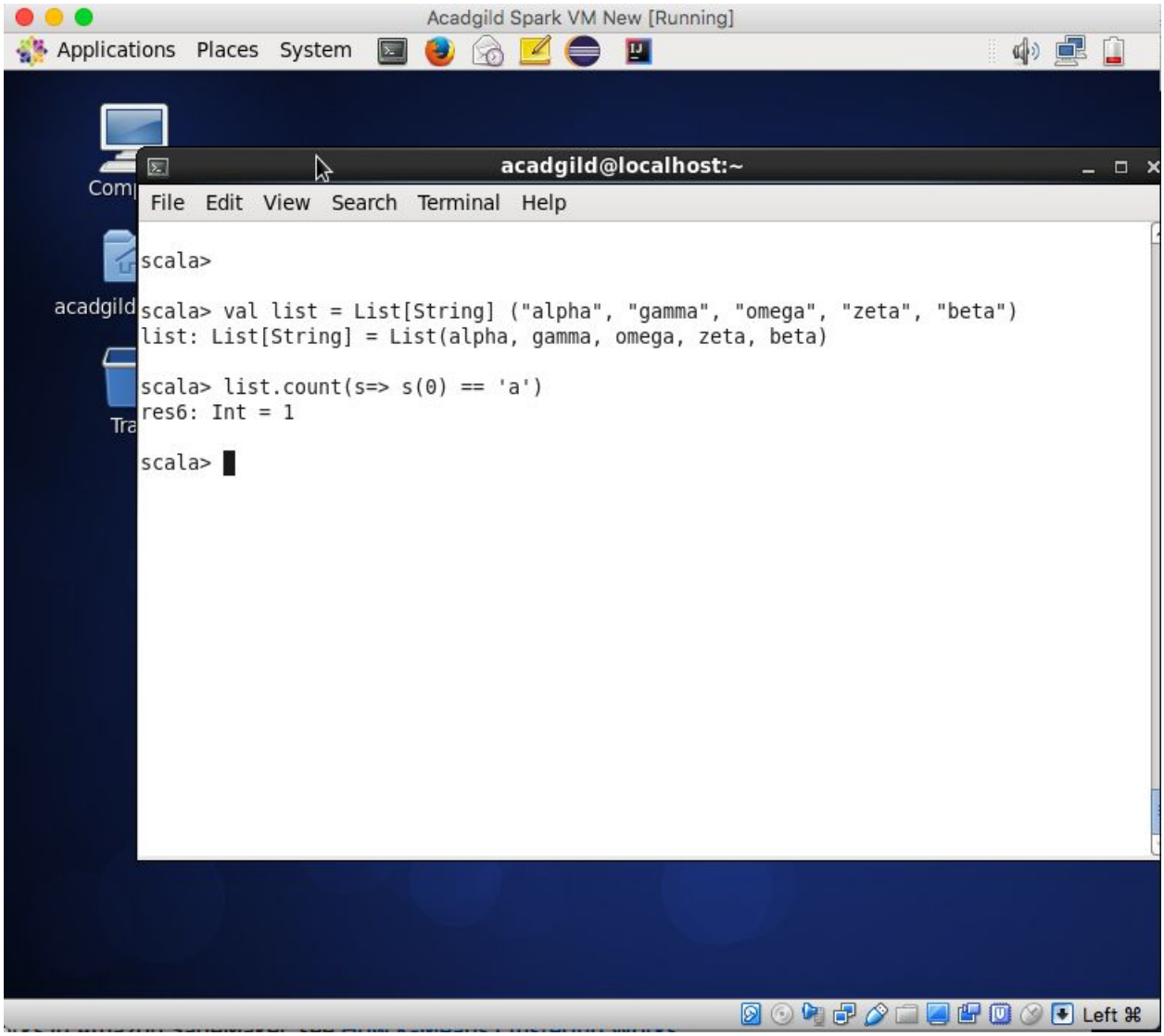


Task 2

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’
- find the count of all strings which start with the alphabet ‘a’


Acadgild Spark VM New [Running]
Applications
Places
System
acadgild@localhost:~
File
Edit
View
Search
Terminal
Help
scala>
scala> val list = List[String] ("alpha", "gamma", "omega", "zeta", "beta")
list: List[String] = List(alpha, gamma, omega, zeta, beta)
scala> list.map(s=> s.length)
res4: List[Int] = List(5, 5, 5, 4, 4)
scala>
Left ⌘


Acadgild Spark VM New [Running]
Applications Places System
acadgild@localhost:~
File Edit View Search Terminal Help
scala>
scala>
scala> val list = List[String] ("alpha", "gamma", "omega", "zeta", "beta")
list: List[String] = List(alpha, gamma, omega, zeta, beta)
scala> list.count(s=> s.contains('m'))
res5: Int = 2
scala>
Left ⌘


Acadgild Spark VM New [Running]
Applications
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acadgild@localhost:~
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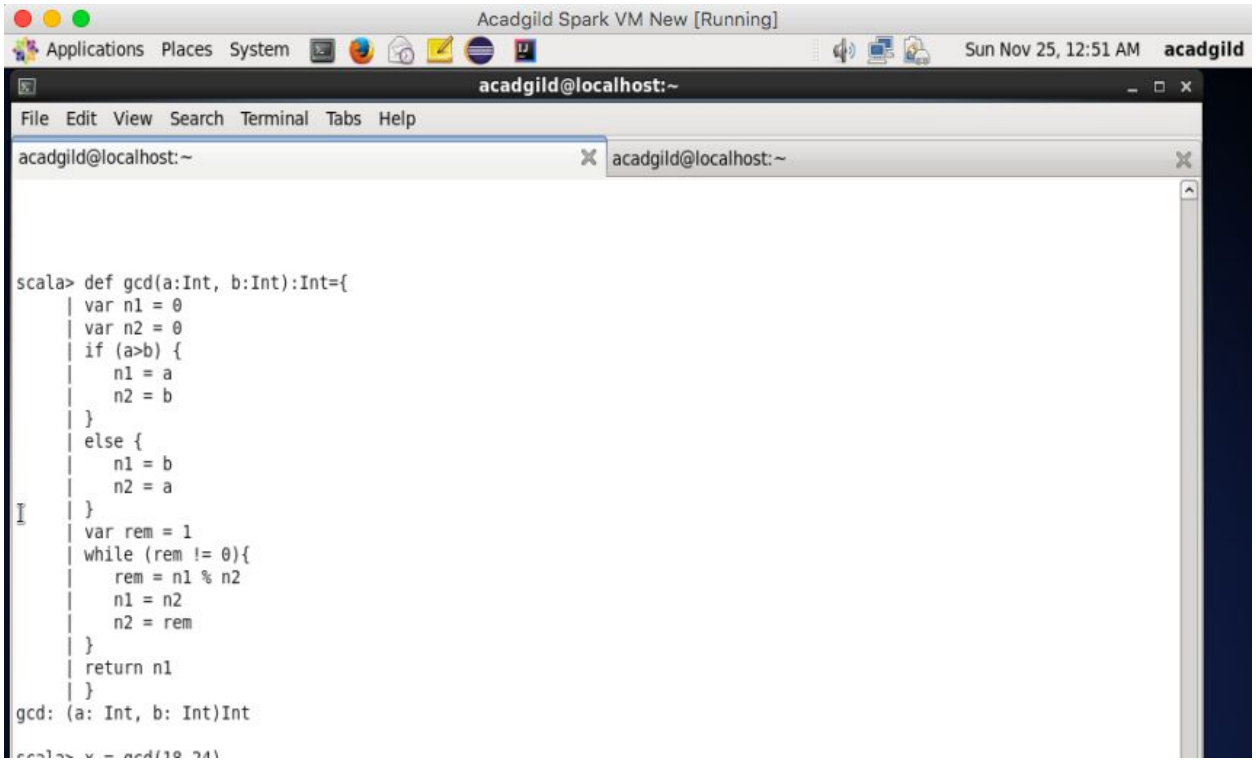
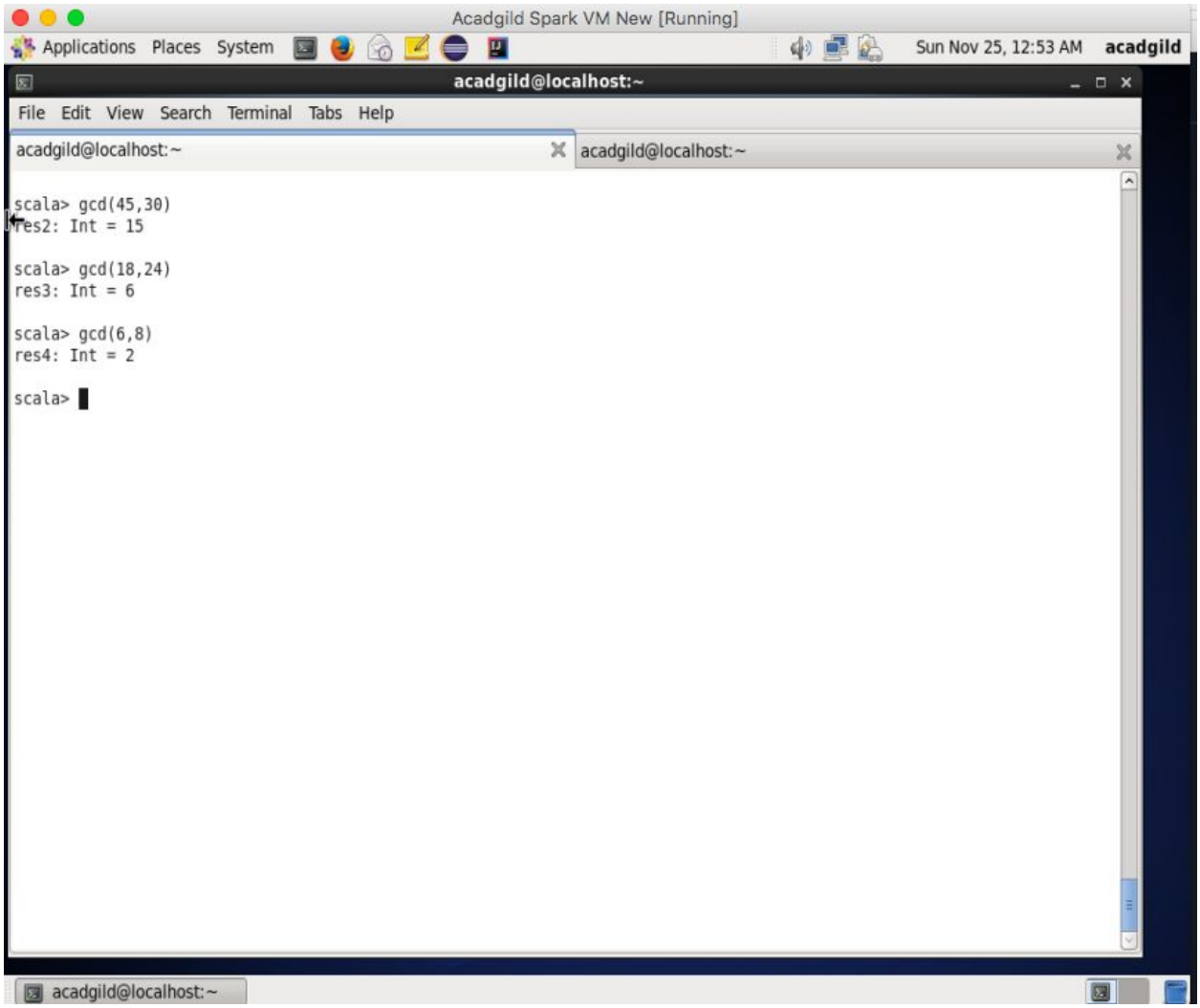
Search
Terminal
Help
scala>
scala> val list = List[String] ("alpha", "gamma", "omega", "zeta", "beta")
list: List[String] = List(alpha, gamma, omega, zeta, beta)
scala> list.count(s=> s(0) == 'a')
res6: Int = 1
scala>
Left ⌘

Task 3

Create a Scala application to find the GCD of two numbers.




Acadgild Spark VM New [Running]
Applications Places System
Sun Nov 25, 12:53 AM acadgild
acadgild@localhost:~
File Edit View Search Terminal Tabs Help
acadgild@localhost:~
acadgild@localhost:~
scala> gcd(45,30)
res2: Int = 15
scala> gcd(18,24)
res3: Int = 6
scala> gcd(6,8)
res4: Int = 2
scala>
acadgild@localhost:~