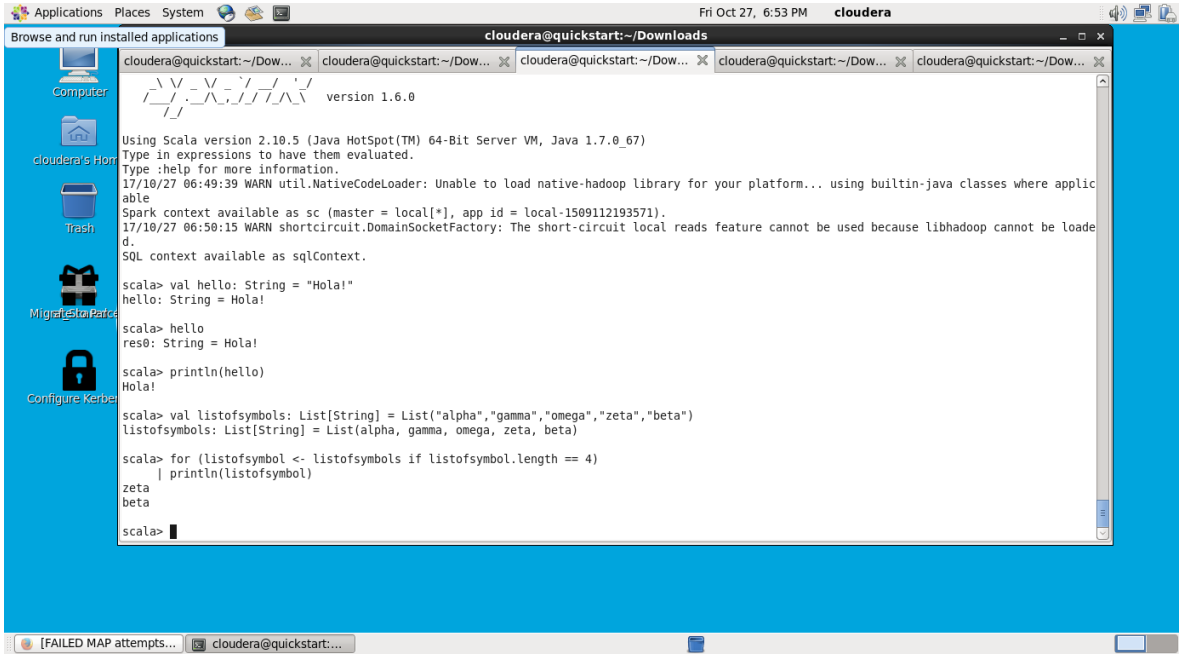
Given a list of strings - List[String] (“alpha”, “gamma”, “omega”, “zeta”, “beta”)
- find count of all strings with length 4

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  /___/ .__/\_,_/_/ /_/\_\   version 1.6.0
     /_/

Using Scala version 2.10.5 (Java HotSpot(TM) 64-Bit Server VM, Java 1.7.0_67)
Type in expressions to have them evaluated.
Type :help for more information.
17/10/27 06:49:39 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applic
able
Spark context available as sc (master = local[*], app id = local-1509112193571).
17/10/27 06:50:15 WARN shortcircuit.DomainSocketFactory: The short-circuit local reads feature cannot be used because libhadoop cannot be loade
d.
SQL context available as sqlContext.

scala> val hello: String = "Hola!"
hello: String = Hola!

scala> hello
res0: String = Hola!

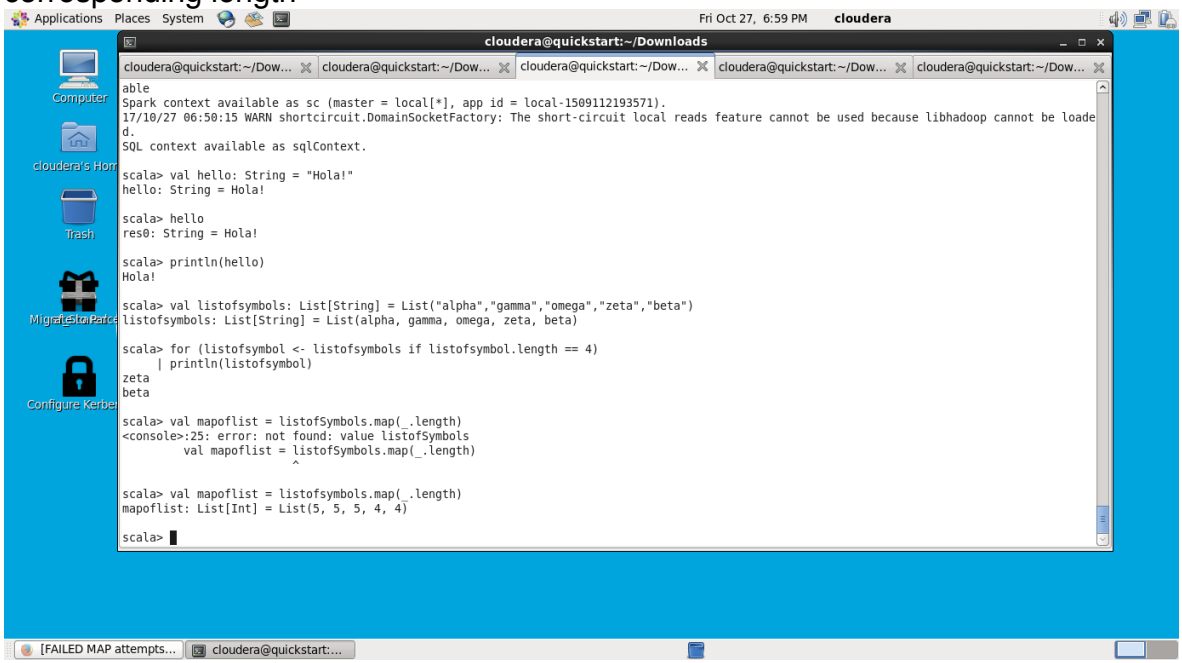
scala> println(hello)
Hola!

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

scala> for (listofsymbol <- listofsymbols if listofsymbol.length == 4)
     | println(listofsymbol)
zeta
beta

scala>
```

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




```
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Spark context available as sc (master = local[*], app id = local-1509112193571).
17/10/27 06:50:15 WARN shortcircuit.DomainSocketFactory: The short-circuit local reads feature cannot be used because libhadoop cannot be loade
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scala> val hello: String = "Hola!"
hello: String = Hola!

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

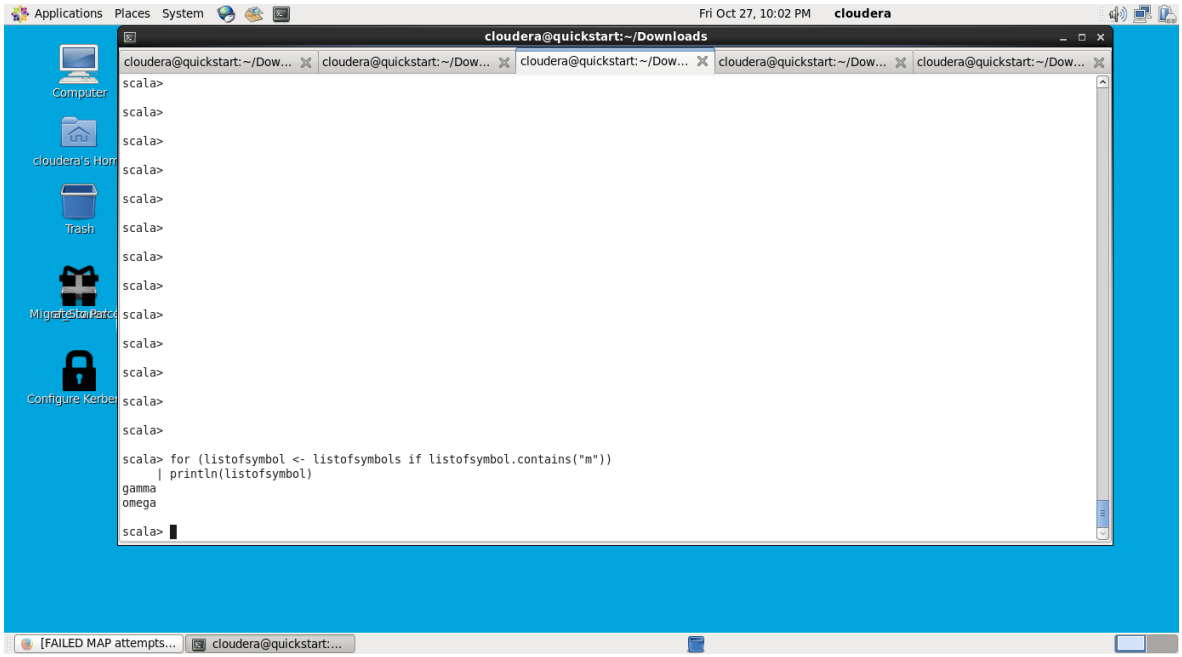
scala> for (listofsymbol <- listofsymbols if listofsymbol.length == 4)
     | println(listofsymbol)
zeta
beta

scala> val mapoflist = listofSymbols.map(_.length)
<console>:25: error: not found: value listofSymbols
         val mapoflist = listofSymbols.map(_.length)
                         ^

scala> val mapoflist = listofsymbols.map(_.length)
mapoflist: List[Int] = List(5, 5, 5, 4, 4)

scala>
```

- find count of all strings which contain alphabet ‘m’




```
scala>

scala>

scala>

scala>

scala>

scala>

scala>

scala>

scala>

scala>

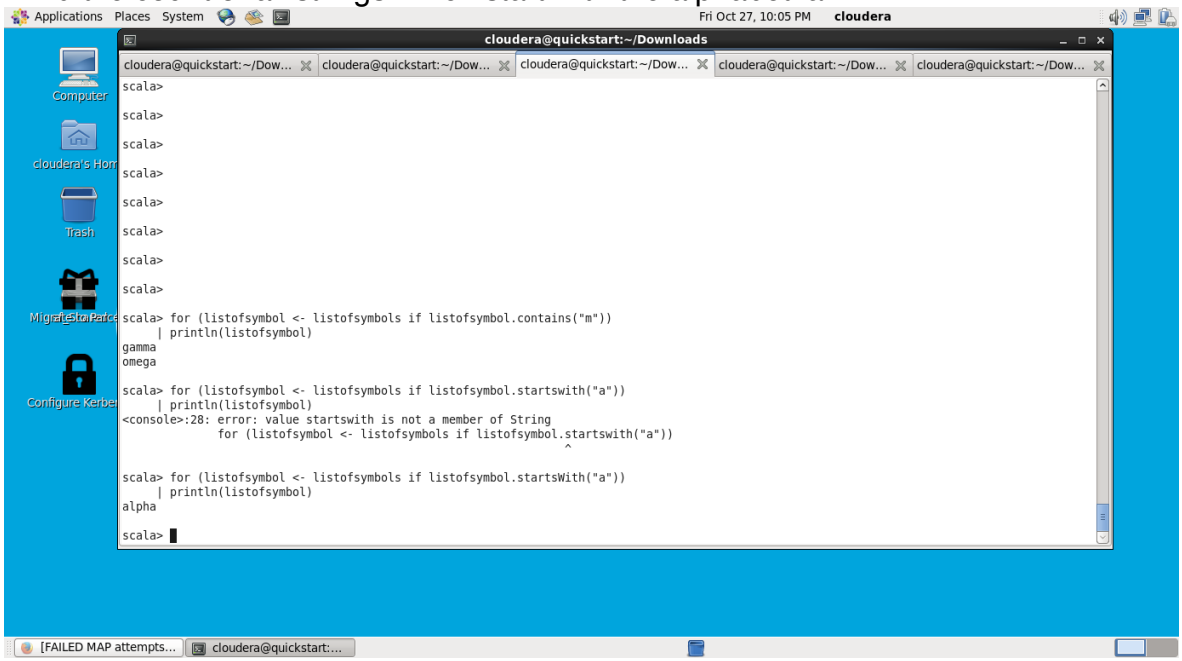
scala>

scala>

scala> for (listofsymbol <- listofsymbols if listofsymbol.contains("m"))
     | println(listofsymbol)
gamma
omega

scala>
```

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




```
scala>

scala>

scala>

scala>

scala>

scala>

scala>

scala>

scala> for (listofsymbol <- listofsymbols if listofsymbol.contains("m"))
     | println(listofsymbol)
gamma
omega

scala> for (listofsymbol <- listofsymbols if listofsymbol.startswith("a"))
     | println(listofsymbol)
<console>:28: error: value startswith is not a member of String
              for (listofsymbol <- listofsymbols if listofsymbol.startswith("a"))
                                                                 ^

scala> for (listofsymbol <- listofsymbols if listofsymbol.startsWith("a"))
     | println(listofsymbol)
alpha

scala>
```