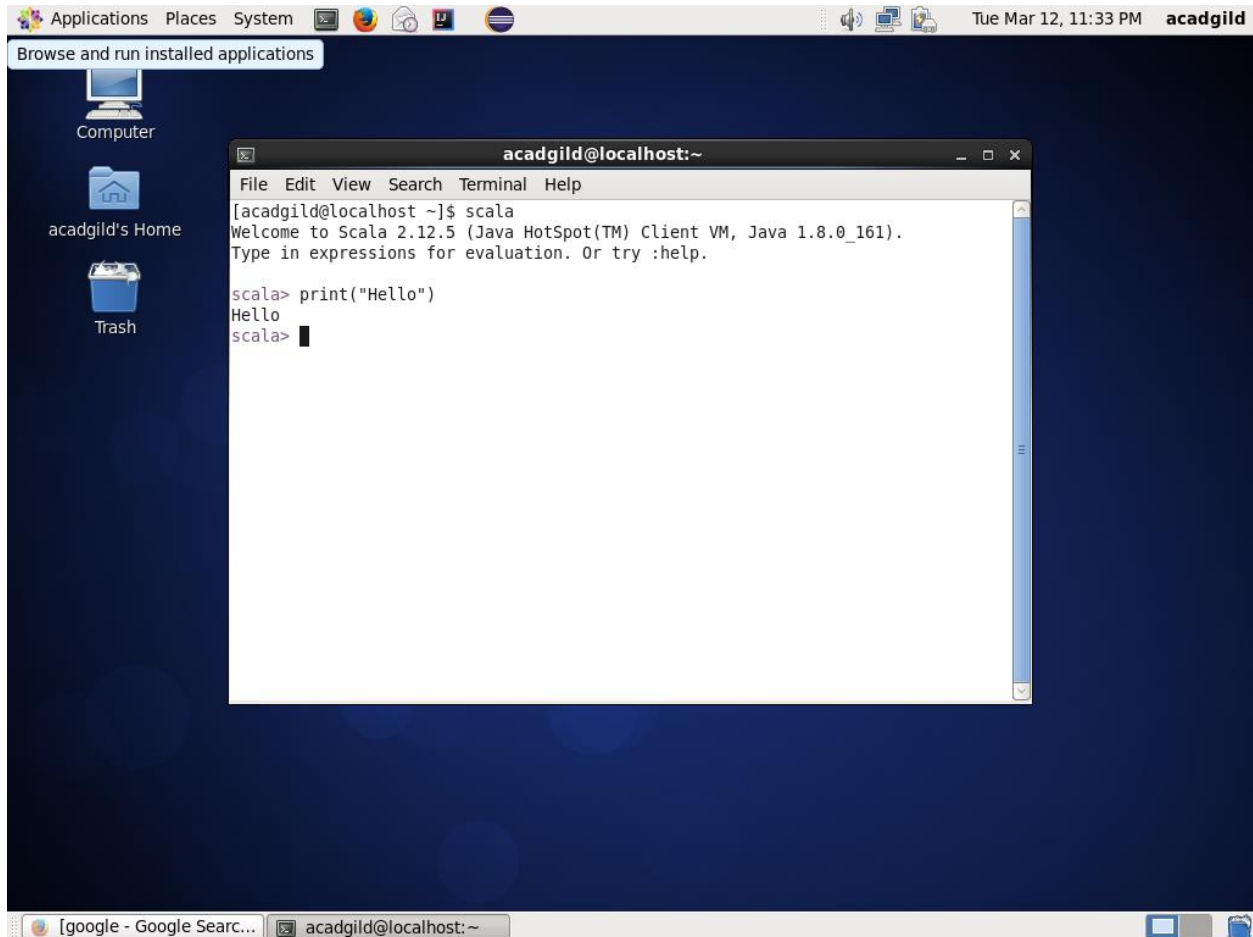


Scala 1 Assignment

Task 1: Follow the below link document steps to download and import AcadgildSpark VM in the Oracle Virtual Box.

Solution :



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'

Solution:

```
Applications Places System [Icons] [System Tray] Wed Mar 13, 12:25 AM acadgild
acadgild@localhost:~
File Edit View Search Terminal Help
[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> // Task : 2

scala> //Create List

scala> // COMMAND -----

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

scala> // Find out all strings with lenght 4

scala> list_scala.count(x=> x.length ==4)
res0: Int = 2

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

scala> list_scala.map(x => (x,x.length))
res1: List[(String, Int)] = List((alpha,5), (gamma,5), (omega,5), (zeta,4), (beta,4))

scala> // find count of all strings which contain alphabet 'm'

scala> list_scala.map(x => x.count(_ == 'm')).count(x => x != 0)
res2: Int = 2

scala> // - find the count of all strings which start with the alphabet 'a'

scala> list_scala.map(x => x(0) == 'a').count(x => x == true)
res3: Int = 1

scala> █
```

[acadgild@localhos... Session_41_Assign... [new file (~/Desкто... [Welcome to CentO... acadgild@localhost:~