

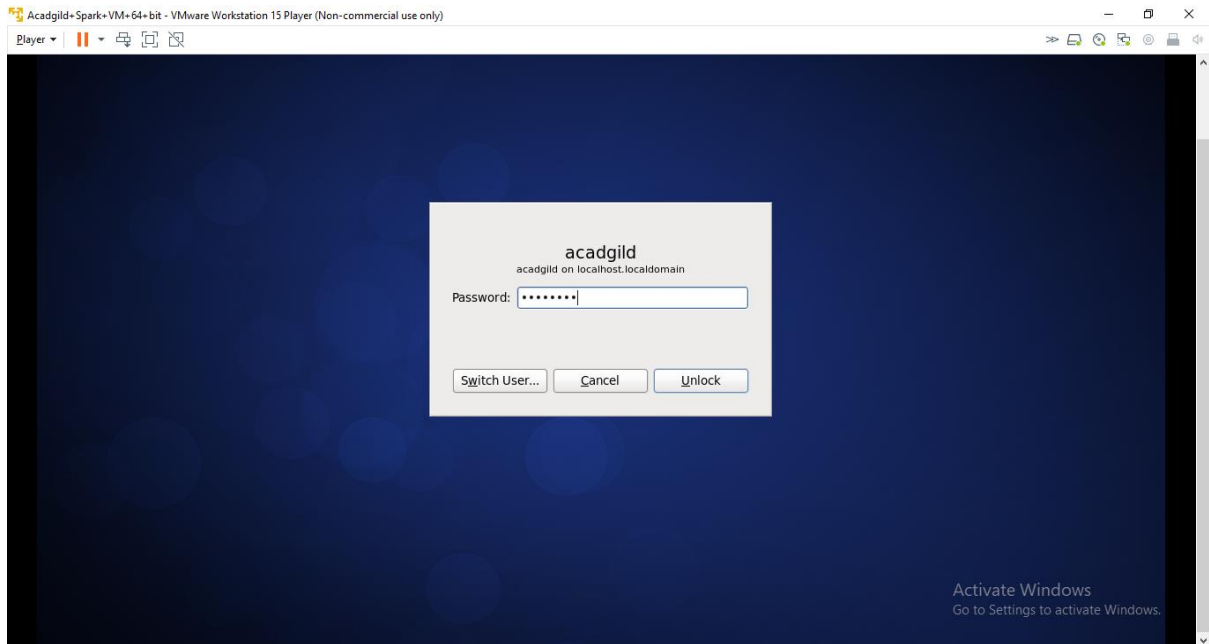
Acadgild-Assignement-43:

Problem Statement:

Task 1

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

Answer: - Done and attached screen-shot the VM.

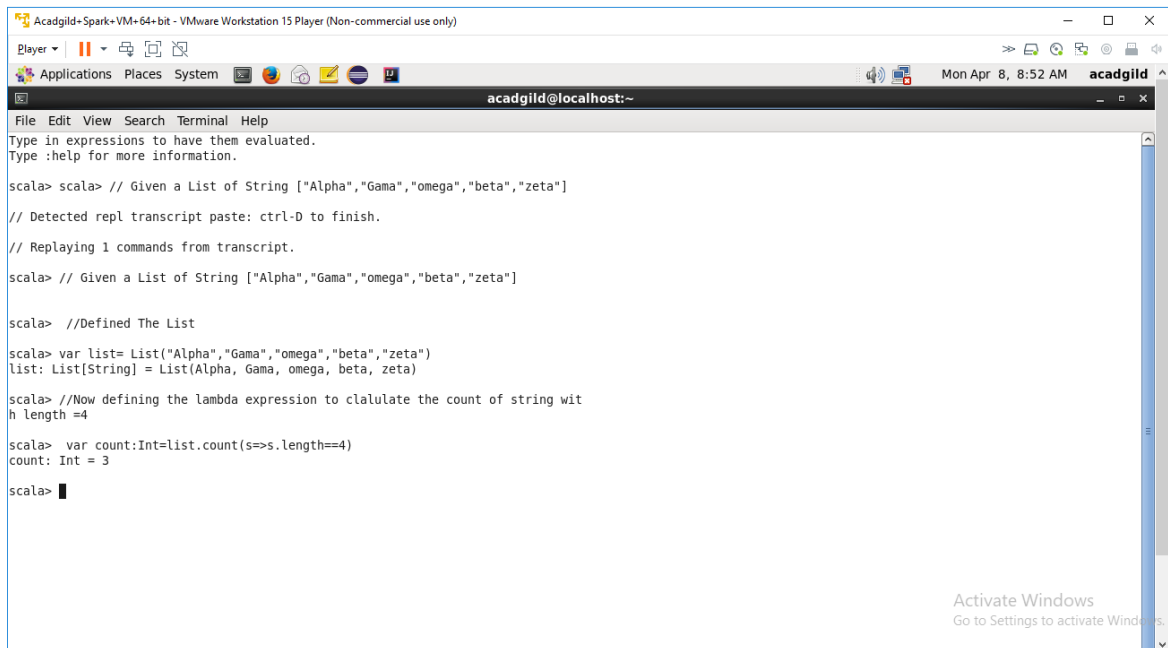


Task 2:-

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

2.1: find count of all strings with length 4.

Answer: - Here I have used the lambda function that evaluate the given condition, then list.count method count the total number of cases that are true.



```
Acadgild+Spark+VM+64-bit - VMware Workstation 15 Player (Non-commercial use only)
Player
Applications Places System
acadgild@localhost:~
File Edit View Search Terminal Help
Type in expressions to have them evaluated.
Type :help for more information.

scala> scala> // Given a List of String ["Alpha","Gama","omega","beta","zeta"]
// Detected repl transcript paste: ctrl-D to finish.
// Replaying 1 commands from transcript.
scala> // Given a List of String ["Alpha","Gama","omega","beta","zeta"]

scala> //Defined The List
scala> var list= List("Alpha","Gama","omega","beta","zeta")
list: List[String] = List(Alpha, Gama, omega, beta, zeta)

scala> //Now defining the lambda expression to calculate the count of string with
length =4
scala> var count:Int=list.count(s=>s.length==4)
count: Int = 3

scala>
```

Q2.2 convert the list of string to a list of integers, where each string is mapped to its Corresponding length.

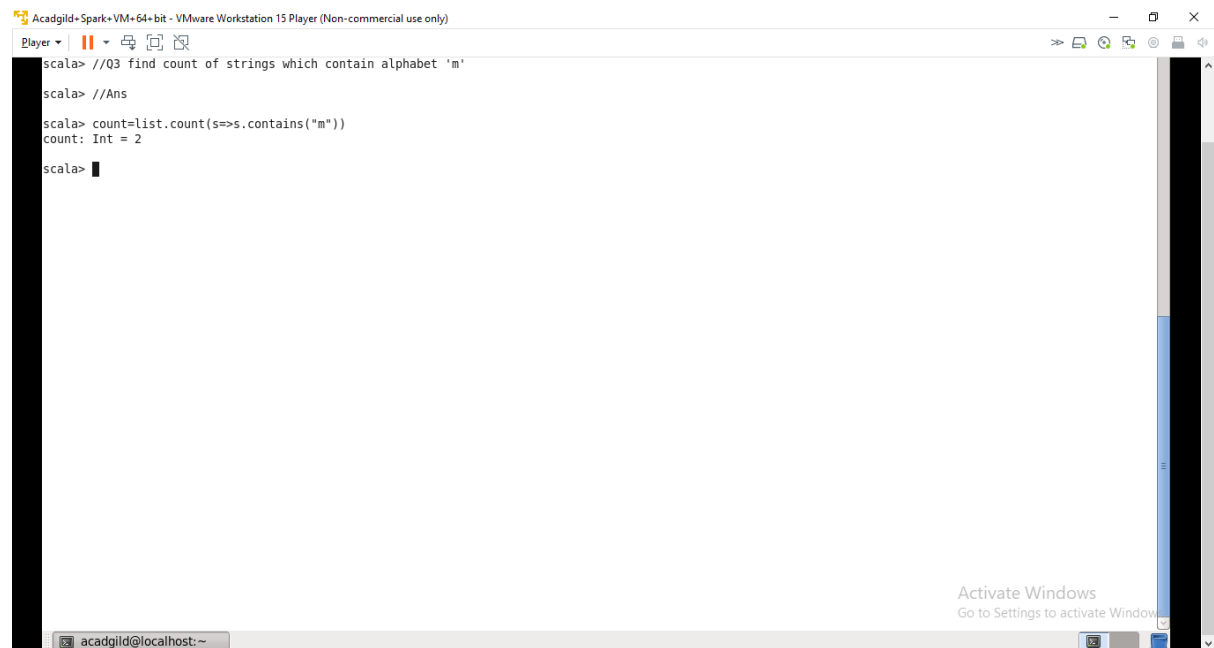
Answer: - Here I have used the lambda function that count the length of each string in list which is then mapped by its length using the list.map method.

```
scala> //Q2
scala> //Convert the list of String into list of integer ,where each string is mapped to its corresponding length
scala> var intlist=list.map(s=>s.length)
intlist: List[Int] = List(5, 4, 5, 4, 4)

scala>
```

Q2.3 Find the count of strings that contains the alphabet 'm'.

Answer: - Here I have used the lambda function that evaluate the given condition, then `list.count` method count the total number of cases that are true.



```
Acadgild-Spark-VM-64-bit - VMware Workstation 15 Player (Non-commercial use only)
scala> //Q3 find count of strings which contain alphabet 'm'

scala> //Ans

scala> count=list.count(s=>s.contains("m"))
count: Int = 2

scala>
```

Activate Windows
Go to Settings to activate Windows

acadgild@localhost: ~