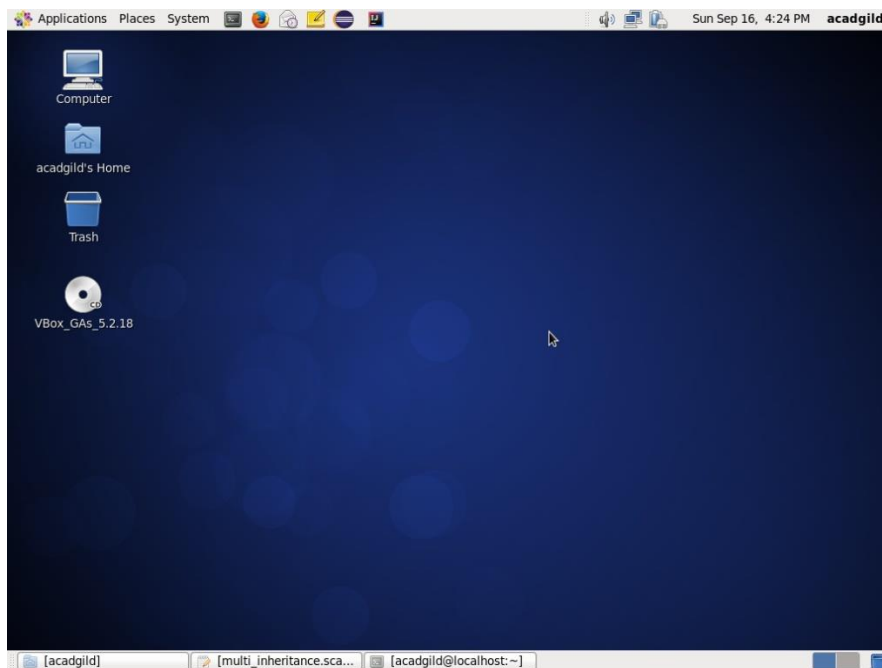


## Task 1: Install Acadgild Spark VM.



## Task 2: Given a list of strings - List[String] ("alpha", "gamma", "omega", "zeta", "beta")

- find count of all strings with length 4



```
scala> var list = List[String] ("alpha","omega","gamma","beta","zeta")
list: List[String] = List(alpha, omega, gamma, beta, zeta)
```

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

```
scala> █
```

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



```
scala> var strings = List[String] ("alpha","beta","gamma","omega","zeta")
strings: List[String] = List(alpha, beta, gamma, omega, zeta)
```

```
scala> var lengthsMapped = for (string <- strings) yield string.length
lengthsMapped: List[Int] = List(5, 4, 5, 5, 4)
```

```
scala> █
```

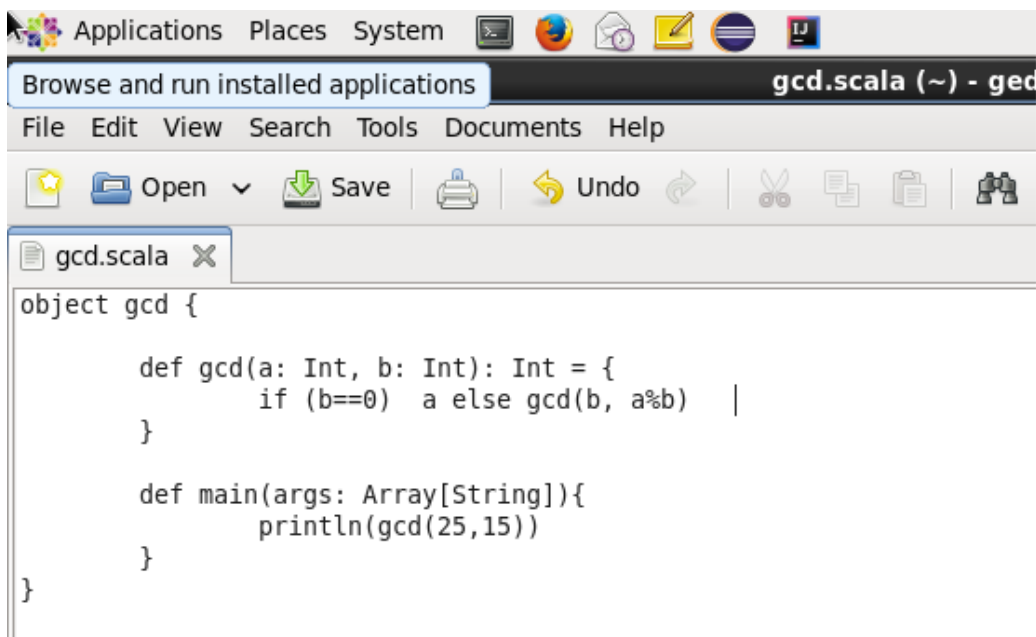
find count of all strings which contain alphabet 'm'

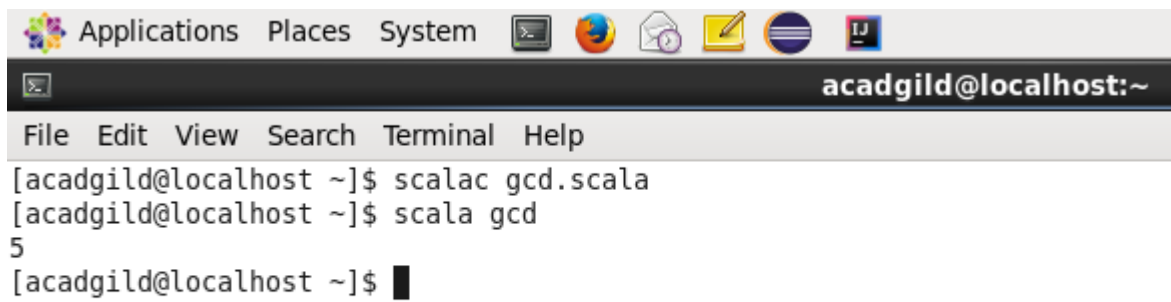


find the count of all strings which start with the alphabet 'a'



Task 3: Create a Scala application to find the GCD of two numbers.





A screenshot of a Linux terminal window. The title bar at the top shows standard desktop icons (Applications, Places, System) and application icons (Terminal, Firefox, Mail, Text Editor, etc.). The terminal title is "acadgild@localhost:~". The menu bar includes "File", "Edit", "View", "Search", "Terminal", and "Help". The terminal content shows the following commands and output:

```
[acadgild@localhost ~]$ scalac gcd.scala
[acadgild@localhost ~]$ scala gcd
5
[acadgild@localhost ~]$
```