

**ACADGILD**

Session 43:  
Scala 1  
Assignment 1

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*Assignment 1 – You must perform the given tasks.*

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## Data Science Masters

### 1. Introduction

In this assignment, you need to perform the given tasks.

### 2. Objective

This assignment will help you to consolidate the concepts learnt in the session 4.

### 3. Prerequisites:

None

### 4. Associated Data Files

None

### 5. Problem Statement

#### **Task 1**

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

[ACADGILD\\_VM](#)

NOTE: If your system is compatible with 64 bit VM, then please download the Acadgild Spark 64 Bit file, else download the Acadgild Spark 32 Bit file from the below link.

#### **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'

#### **Task 3**

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

## **6. Expected Output**

Solution report with commands, explanation to commands and screenshot for output.

Report shall be in PDF format. Submitted in GitHub

## **7. Approximate Time to Complete Task**

6 hours.