



Session 14

Assignment 1 Questions

**ACADGILD**

# *Session 14: Assignment 1*

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## 1. Introduction

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

## 2. Problem Statement

Create a calculator to work with rational numbers.

Requirements:

- It should provide capability to add, subtract, divide and multiply rational numbers
- Create a method to compute GCD (this will come in handy during operations on rational)

Add option to work with whole numbers which are also rational numbers i.e.  $(n/1)$

- achieve the above using auxiliary constructors
- enable method overloading to enable each function to work with numbers and rational.

## 3. Output

N/A