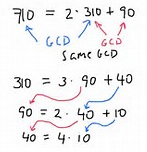
Session 13

Assignment 1

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| --- | --- |
| **Prepared For:** | AcadGild |
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| **Document Approval:** | **AcadGild** |
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# Change History

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Document Revision** | **Date** | **Authored By** | **Authorised By** | **Sections Affected** | **Reason for Change** |
| Rev 01 | 12/10/2017 | Duncan Burgess |  | All | Initial release. |
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# Problem Statement

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

# Solutions

**Code created**

***object*** *Scala {*

*println("Welcome to the GCD Script") //> Welcome to the GCD Script*

***def*** *gcd(a: Int, b: Int): Int = {*

***if*** *(b == 0) a*

***else*** *gcd(b, a % b)*

*}*

**Various results**

*gcd(120,40) //> res0: Int = 40*

*gcd(245,25) //> res0: Int = 5*

*gcd(95,4) //> res0: Int = 1*