**ACD\_BDDOF\_Session\_5\_Assignment\_1\_Main**

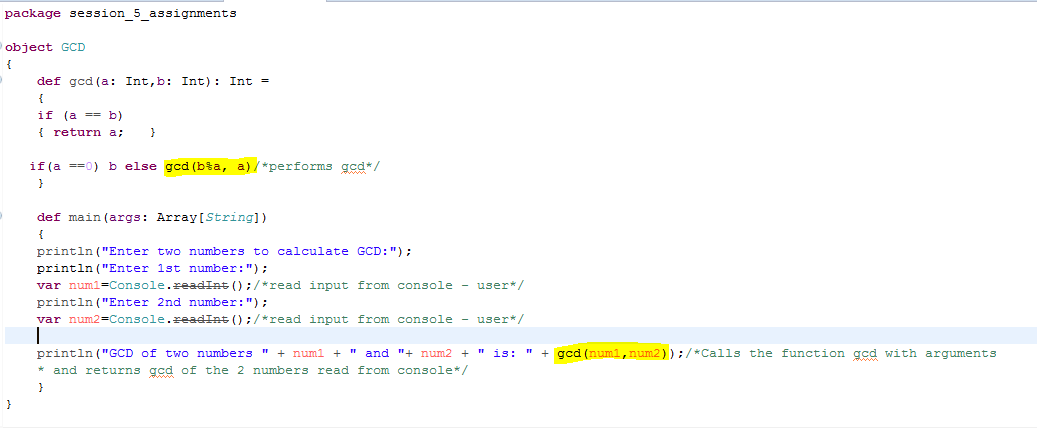
**Problem Statement:**

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

**Scala code:**

Below code calculates GCD for 2 numbers.

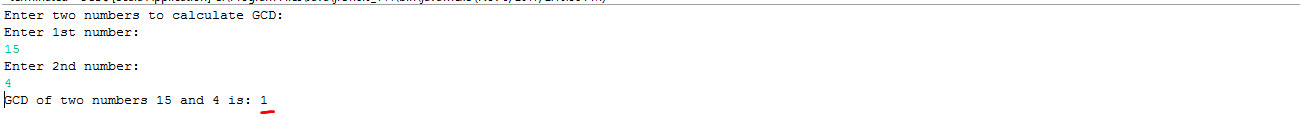
* Program will prompt for the input
* And reads 2 numbers from console
* And calls the GCD function to calculate GCD
* GCD function will call itself recursively and performs b%a until it becomes ‘0’
* Prints b if b%a(which is a) becomes ‘0’



**Result:**

Entered 20 & 5 in console and program returned ‘5’ as GCD



Entered 15 & 4 in console and program returned ‘1’ as GCD

Entered 15 & 3 in console and program returned ‘3’ as GCD

