Assignment 13.1:

Problem Statement:

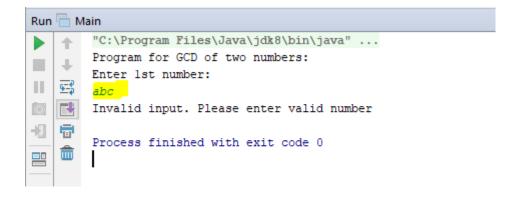
Create a Scala application to find the GCD of two numbers.

Program:

```
Assignment.scala ×
        import scala.annotation.tailrec
3 ▶ ⊖object Main {
          @tailrec
 4
   O
5
          def gcd(a: Int, b: Int): Int =
6
           if (b == 0) a else gcd(b, a % b)
7
    def main(args: Array[String]): Unit = {
8
           println("Program for GCD of two numbers:")
9
10
            var numl:Int = 0
11
            var num2:Int = 0
12
            try {
             println("Enter 1st number:")
13
14
              numl = scala.io.StdIn.readLine().toInt
15
             println("Enter 2st number:")
16
17
             num2 = scala.io.StdIn.readLine().toInt
18
              print("GCD of the entered numbers is: "+gcd(num1, num2))
19
20
            }catch {
              case ex: Exception =>{
21
22
                println("Invalid input. Please enter valid number")
23
24
           //println(gcd(27, 18))
26
27
       \Theta
```

Output:

Case 1: Enter invalid input



Case 2: Enter both valid inputs

