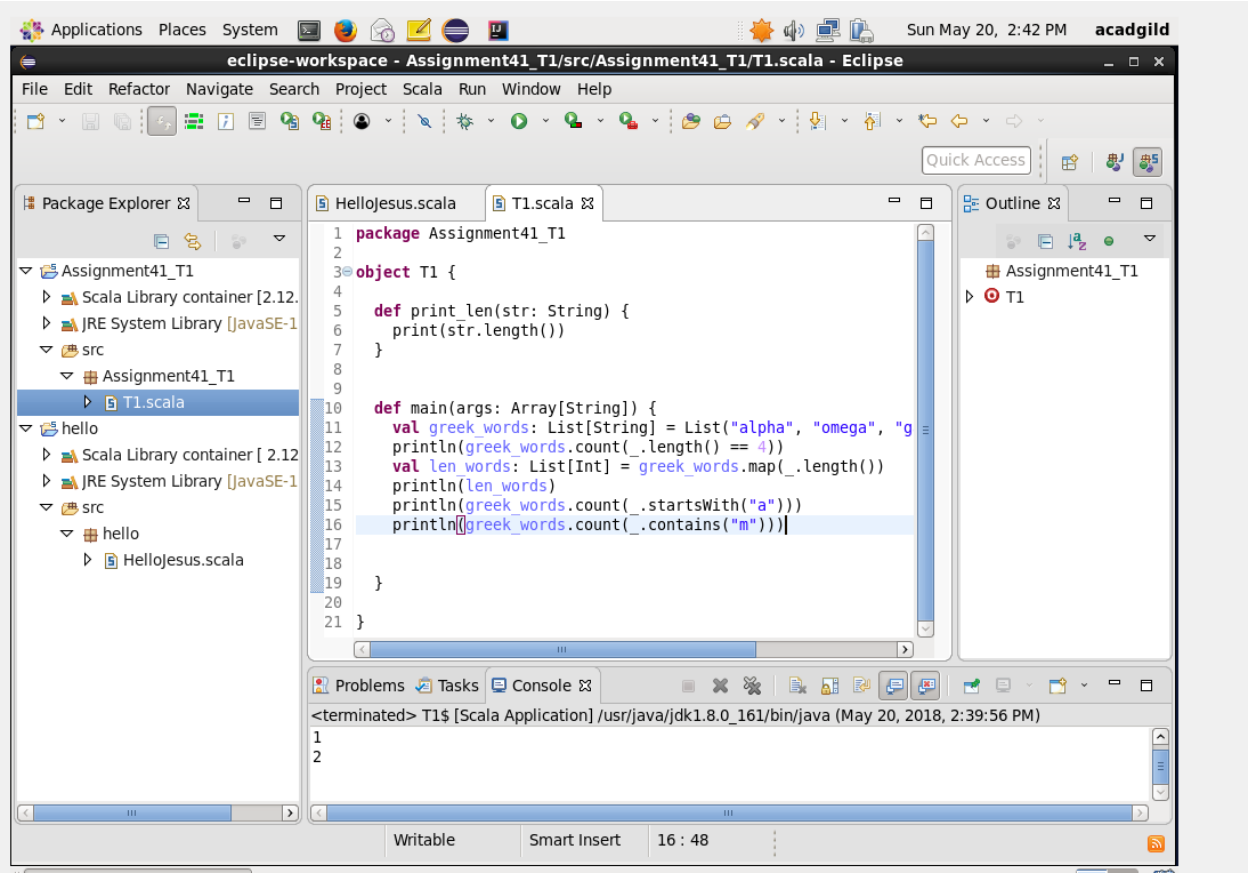
TASK 1:

=======

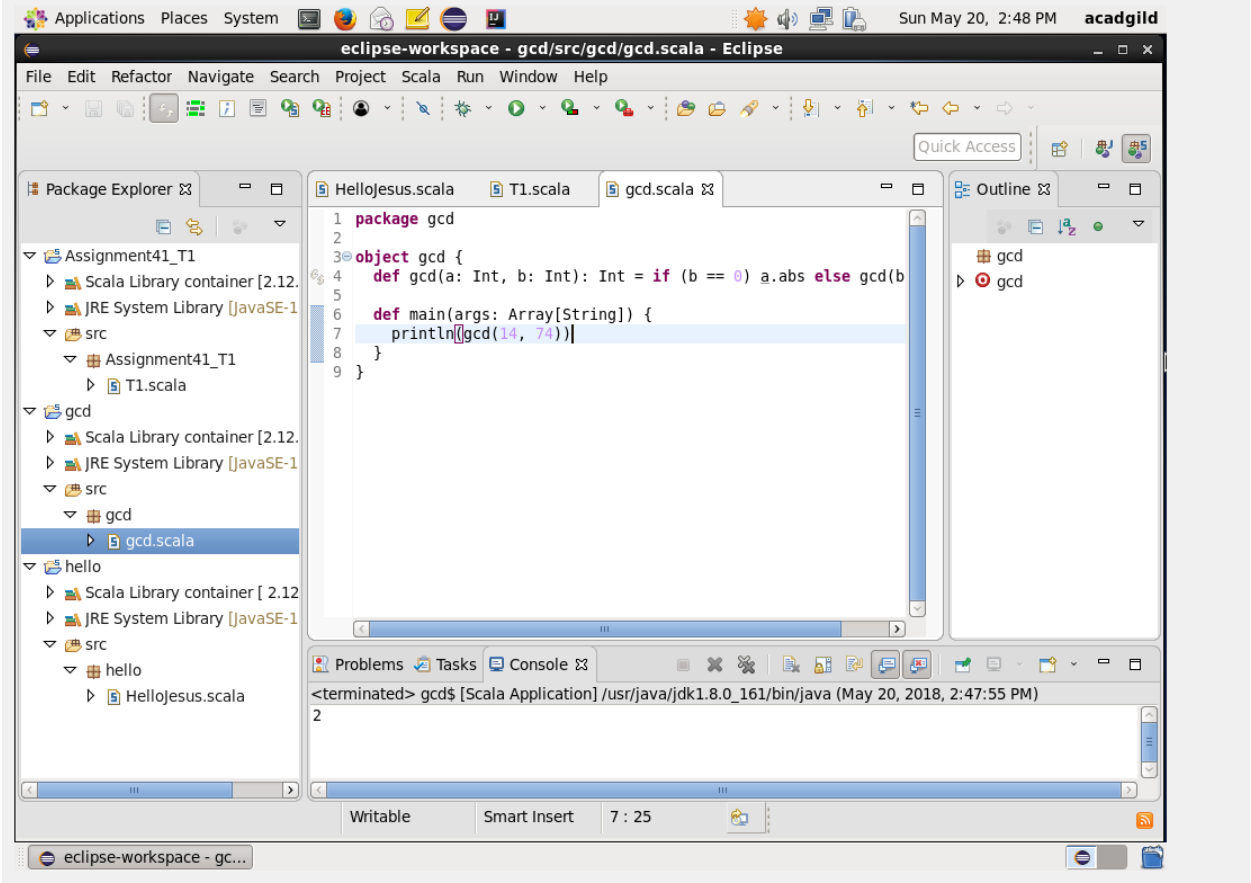
1) Create a list called “greek_words” populated with the given strings using: val Greek_words: List[String] = List(“alpha”, “omega”, “gamma”, “zeta” and “beta”)
2) Print only members of the list with length 4 using: println(Greek_words.count(_.length()== 4) _is the special symbol that stands for each element in the list.
3) Assign length of the members of the list to a different list using: val len_words: List[Int] = Greek_words.map(_.length()) meaning apply length function to each element. Print this list using println command.
4) Print elements containing m using Greek_words.count(_.contains(“m”))
5) Print elements beginning with a using Greek_words.count(_.startsWith(“a”))



TASK 2:

=====

1) Define a recursive function for gcd of 2 numbers. Return type after function name and argument list.
2) Call the function from within main


Applications Places System
Sun May 20, 2:48 PM acadgild
eclipse-workspace - gcd/src/gcd/gcd.scala - Eclipse
File Edit Refactor Navigate Search Project Scala Run Window Help
Quick Access
Package Explorer
Assignment41_T1
Scala Library container [2.12.
JRE System Library [JavaSE-1
src
Assignment41_T1
T1.scala
gcd
Scala Library container [2.12.
JRE System Library [JavaSE-1
src
gcd
gcd.scala
hello
Scala Library container [2.12
JRE System Library [JavaSE-1
src
hello
HelloJesus.scala
HelloJesus.scala
T1.scala
gcd.scala
1 package gcd
2
3 object gcd {
4 def gcd(a: Int, b: Int): Int = if (b == 0) a.abs else gcd(b
5
6 def main(args: Array[String]) {
7 println(gcd(14, 74))
8 }
9 }
Outline
gcd
gcd
Problems Tasks Console
<terminated> gcd$ [Scala Application] /usr/java/jdk1.8.0_161/bin/java (May 20, 2018, 2:47:55 PM)
2
Writable
Smart Insert
7 : 25
eclipse-workspace - gc...