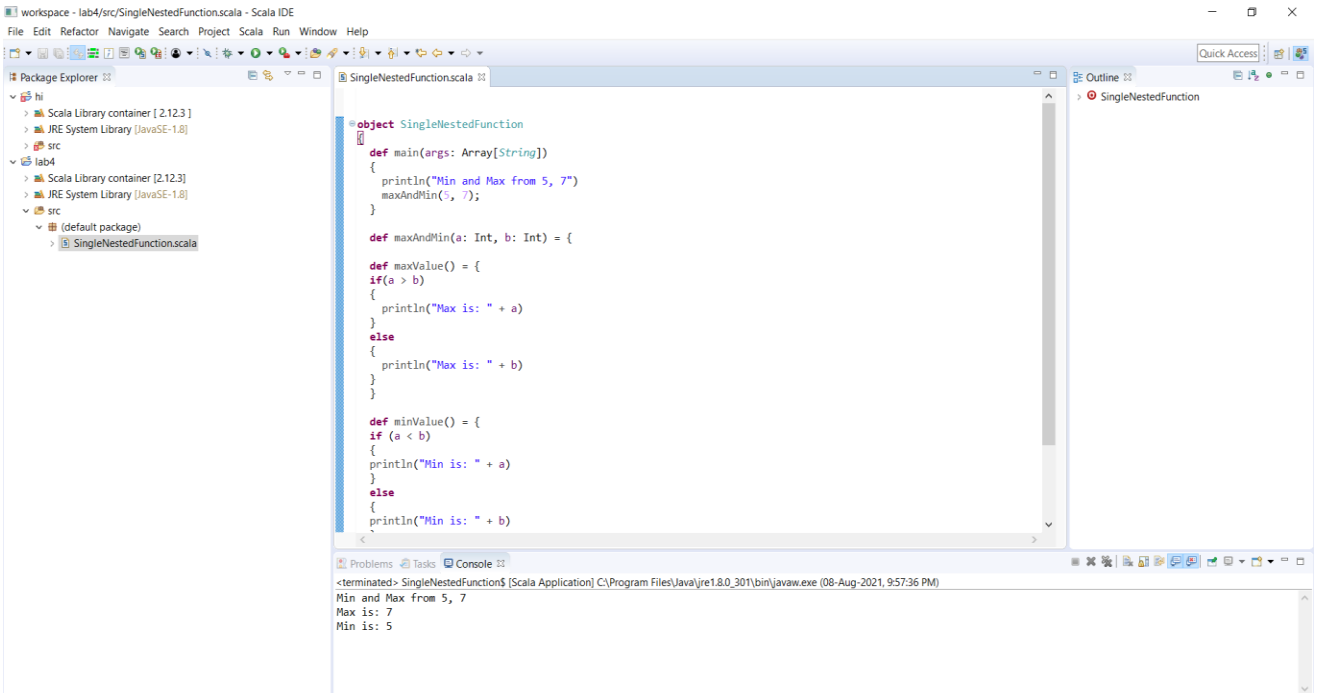
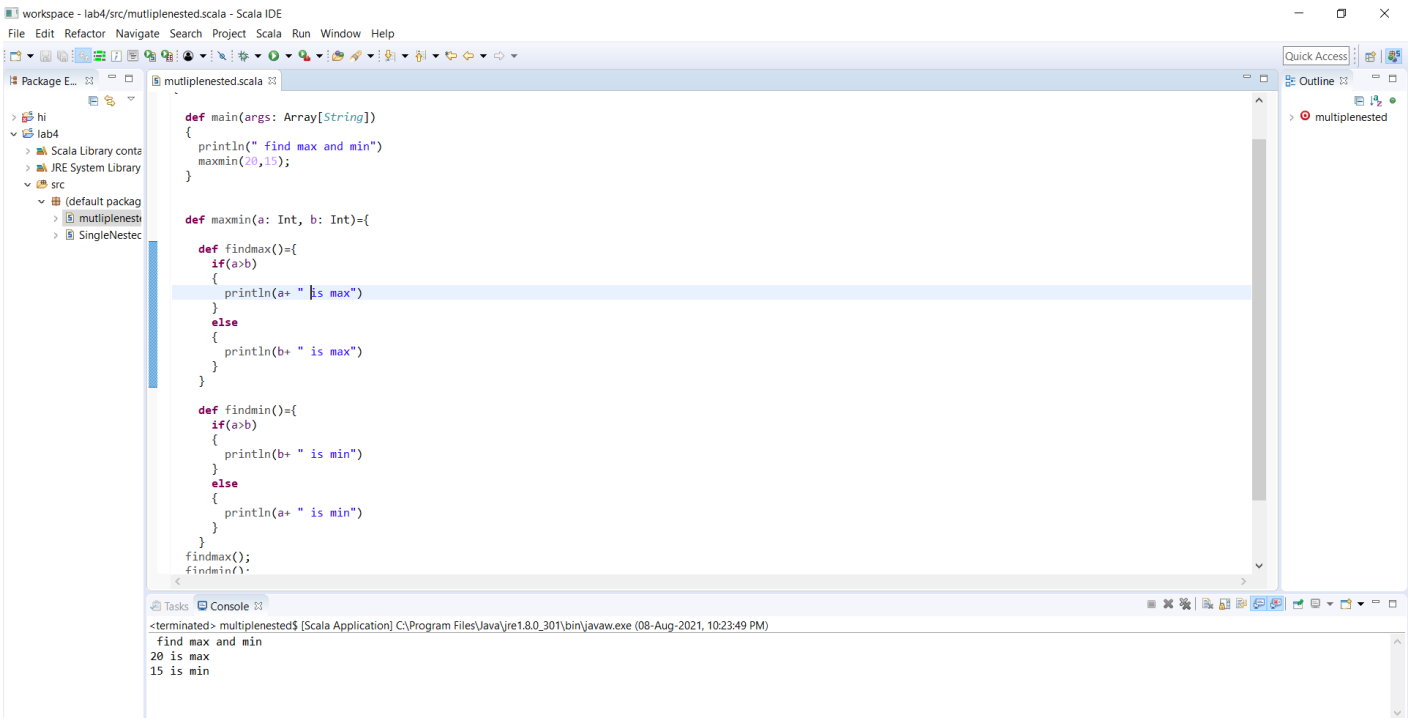
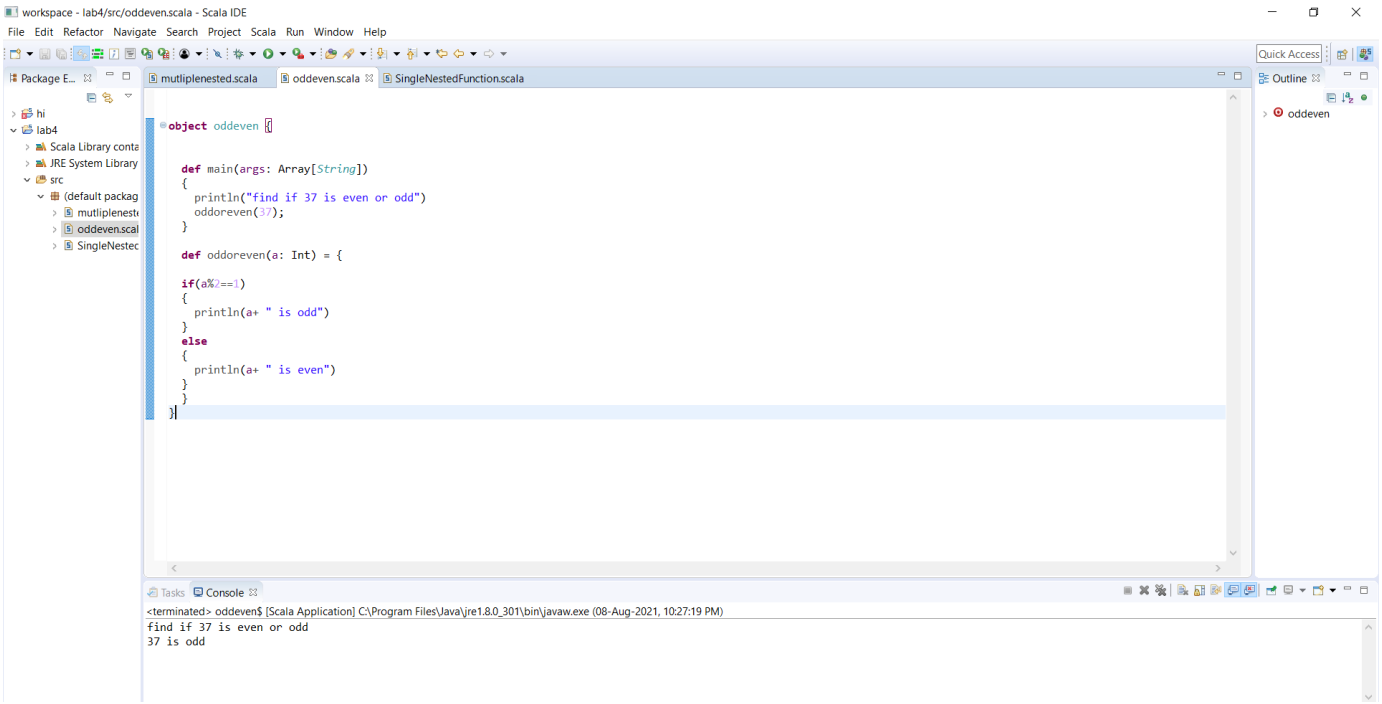
Q1


workspace - lab4/src/SingleNestedFunction.scala - Scala IDE
File Edit Refactor Navigate Search Project Scala Run Window Help
Package Explorer
hi
Scala Library container [2.12.3]
JRE System Library [JavaSE-1.8]
src
lab4
Scala Library container [2.12.3]
JRE System Library [JavaSE-1.8]
src
(default package)
SingleNestedFunction.scala
SingleNestedFunction.scala
object SingleNestedFunction
{
def main(args: Array[String])
{
println("Min and Max from 5, 7")
maxAndMin(5, 7);
}
def maxAndMin(a: Int, b: Int) = {
def maxValue() = {
if(a > b)
{
println("Max is: " + a)
}
else
{
println("Max is: " + b)
}
}
def minValue() = {
if (a < b)
{
println("Min is: " + a)
}
else
{
println("Min is: " + b)
Outline
SingleNestedFunction
Problems Tasks Console
<terminated> SingleNestedFunction$ [Scala Application] C:\Program Files\Java\jre1.8.0_301\bin\javaw.exe (08-Aug-2021, 9:57:36 PM)
Min and Max from 5, 7
Max is: 7
Min is: 5

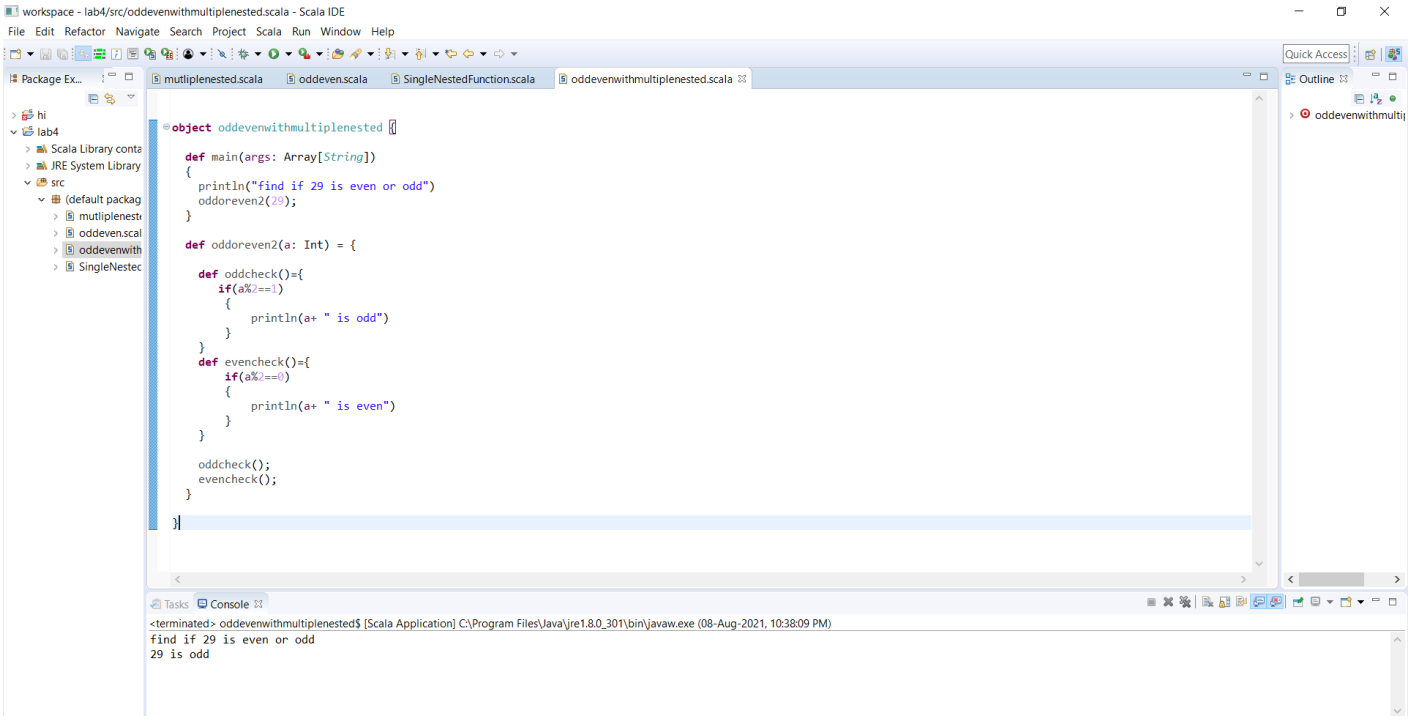
Q2


workspace - lab4/src/mutliplenested.scala - Scala IDE
File Edit Refactor Navigate Search Project Scala Run Window Help
Package E...
hi
lab4
Scala Library conta
JRE System Library
src
(default packag
mutliplenest
SingleNestec
mutliplenested.scala
def main(args: Array[String])
{
println(" find max and min")
maxmin(20,15);
}
def maxmin(a: Int, b: Int){
def findmax(){
if(a>b)
{
println(a+ " is max")
}
else
{
println(b+ " is max")
}
}
def findmin(){
if(a>b)
{
println(b+ " is min")
}
else
{
println(a+ " is min")
}
}
findmax();
Outline
multiplenested
Tasks Console
<terminated> multiplenested$ [Scala Application] C:\Program Files\Java\jre1.8.0_301\bin\javaw.exe (08-Aug-2021, 10:23:49 PM)
find max and min
20 is max
15 is min

Q3


workspace - lab4/src/oddeven.scala - Scala IDE
File Edit Refactor Navigate Search Project Scala Run Window Help
Quick Access
Package E...
mutliplenested.scala
oddeven.scala
SingleNestedFunction.scala
Outline
oddeven
hi
lab4
Scala Library conta
JRE System Library
src
(default packag
mutliplenest
oddeven.scal
SingleNestec
object oddeven {
def main(args: Array[String])
{
println("find if 37 is even or odd")
oddoreven(37);
}
def oddoreven(a: Int) = {
if(a%2==1)
{
println(a+ " is odd")
}
else
{
println(a+ " is even")
}
}
}
Tasks
Console
<terminated> oddeven$ [Scala Application] C:\Program Files\Java\jre1.8.0_301\bin\javaw.exe (08-Aug-2021, 10:27:19 PM)
find if 37 is even or odd
37 is odd

Q4


workspace - lab4/src/oddevenwithmultiplenested.scala - Scala IDE
File Edit Refactor Navigate Search Project Scala Run Window Help
Quick Access
Package Ex...
mutliplenested.scala
oddeven.scala
SingleNestedFunction.scala
oddevenwithmultiplenested.scala
Outline
oddevenwithmulti
hi
lab4
Scala Library conta
JRE System Library
src
(default packag
mutliplenest
oddeven.scal
oddevenwith
SingleNestec
object oddevenwithmultiplenested {
def main(args: Array[String])
{
println("find if 29 is even or odd")
oddoreven2(29);
}
def oddoreven2(a: Int) = {
def oddcheck()={
if(a%2==1)
{
println(a+ " is odd")
}
}
def evencheck()={
if(a%2==0)
{
println(a+ " is even")
}
}
oddcheck();
evencheck();
}
}
Tasks
Console
<terminated> oddevenwithmultiplenested$ [Scala Application] C:\Program Files\Java\jre1.8.0_301\bin\javaw.exe (08-Aug-2021, 10:38:09 PM)
find if 29 is even or odd
29 is odd