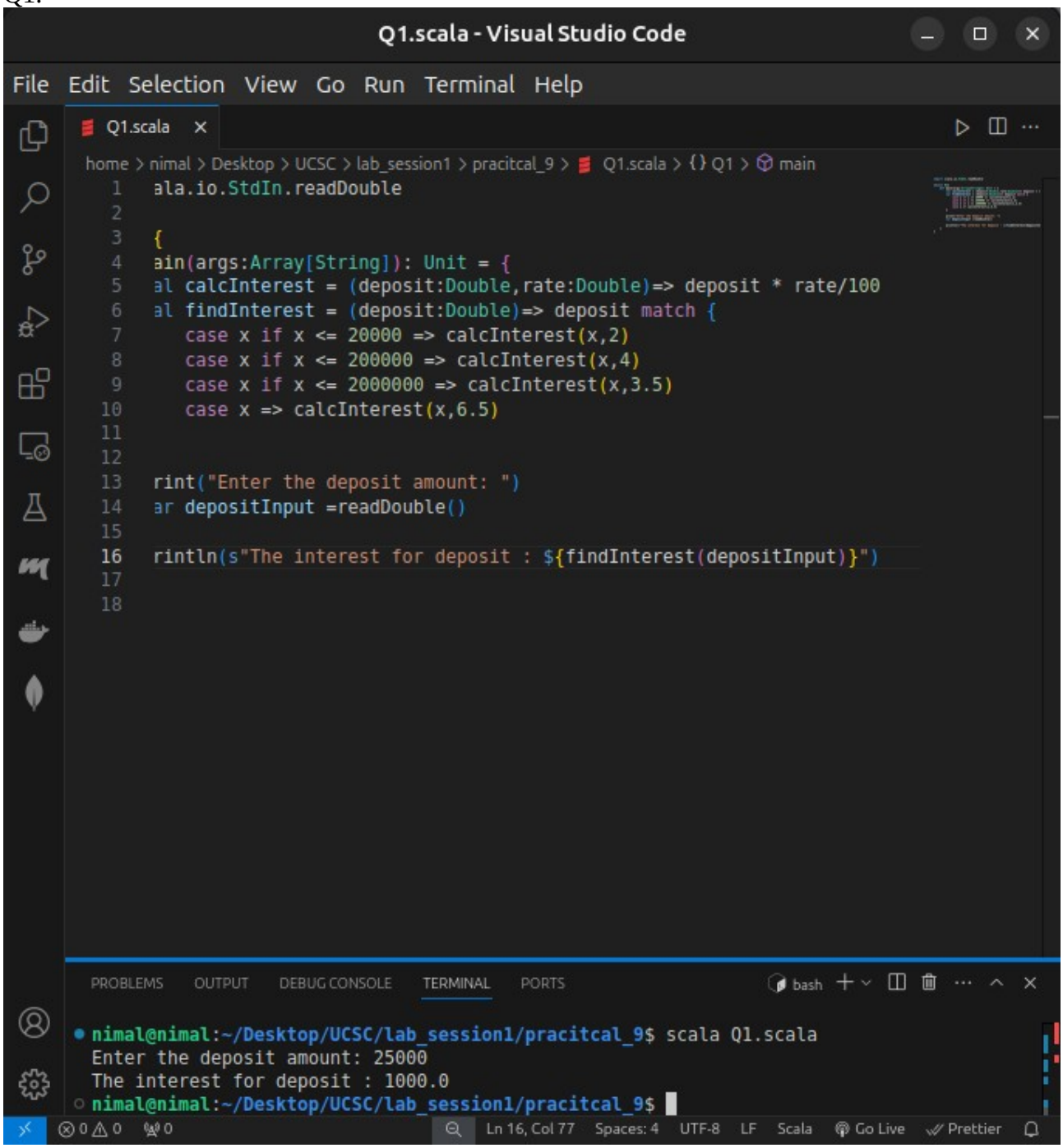
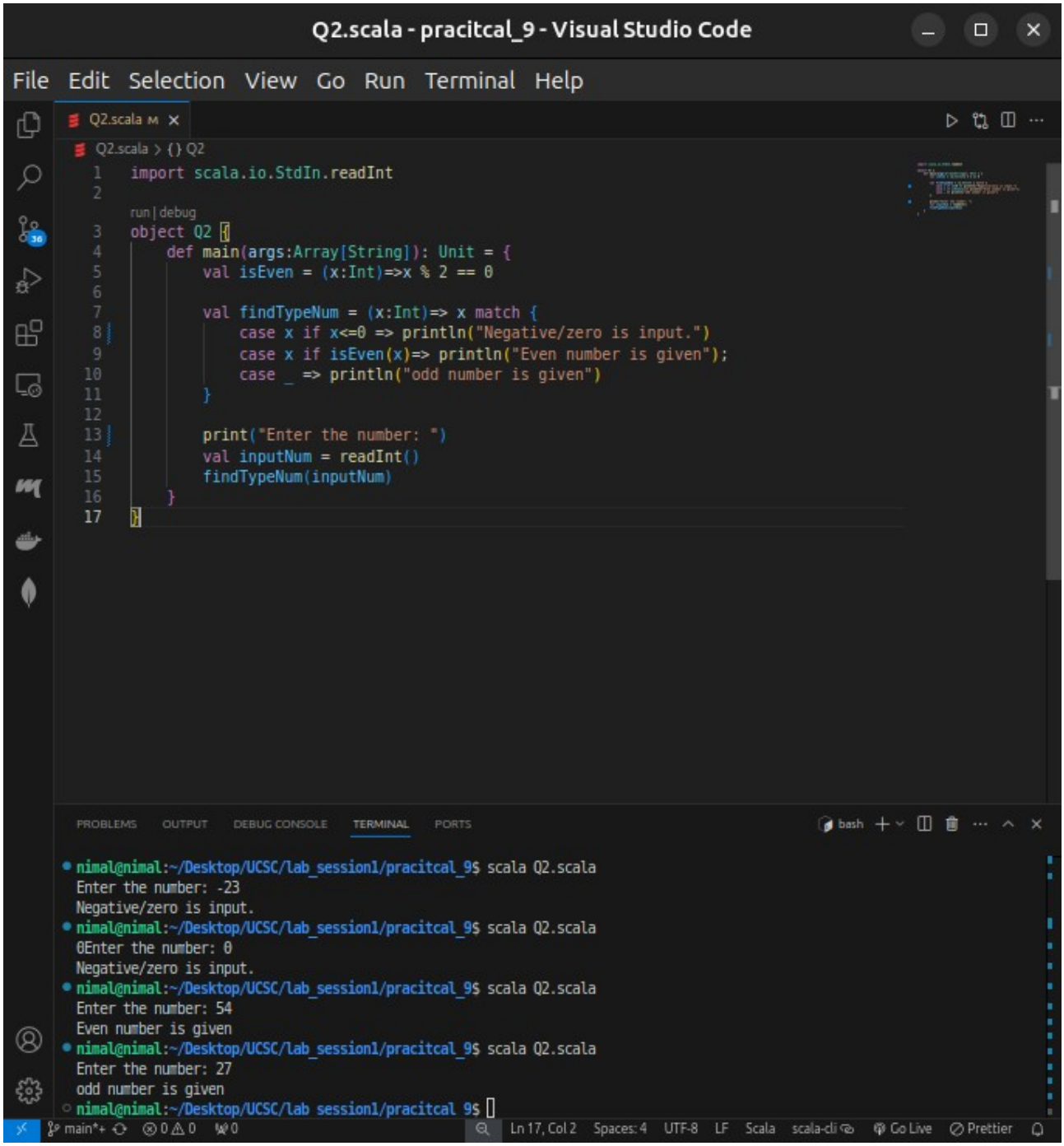
22001352

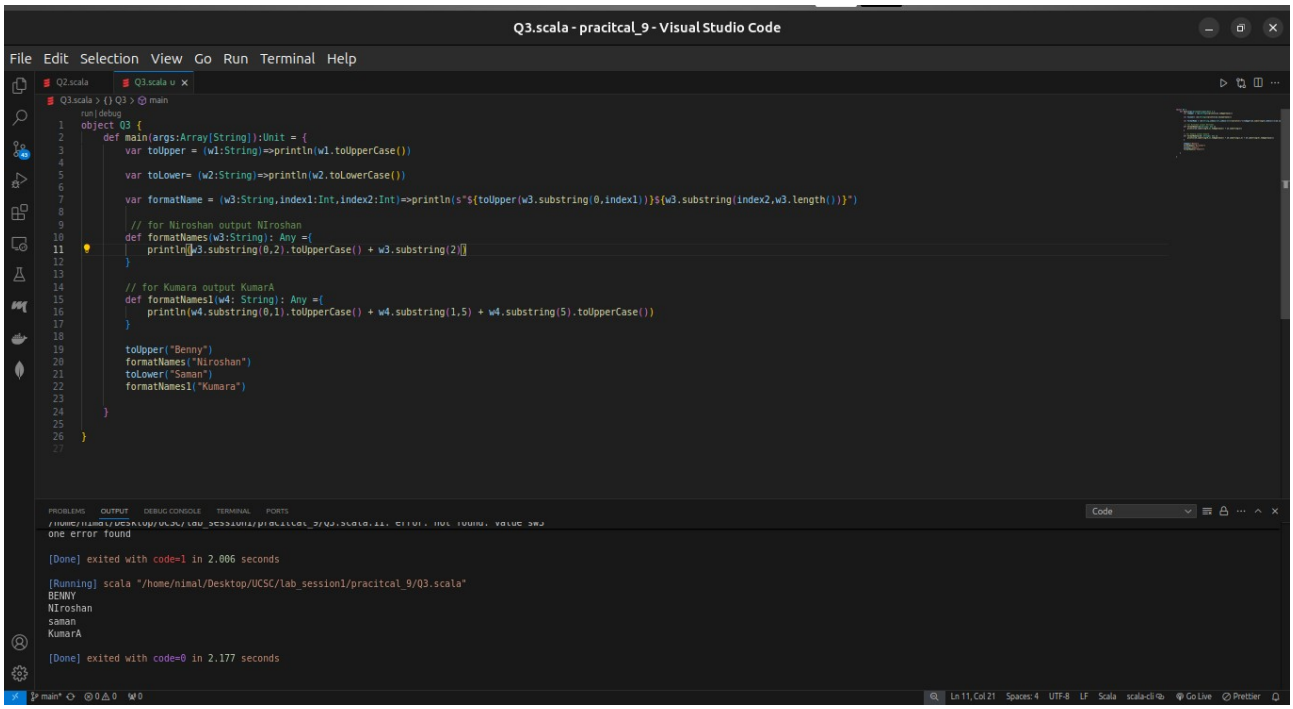
Q1.


Q1.scala - Visual Studio Code
File Edit Selection View Go Run Terminal Help
Q1.scala
home > nimal > Desktop > UCSC > lab_session1 > pracitcal_9 > Q1.scala > {} Q1 > main
ala.io.StdIn.readDouble
{
ain(args:Array[String]): Unit = {
al calcInterest = (deposit:Double,rate:Double)=> deposit * rate/100
al findInterest = (deposit:Double)=> deposit match {
case x if x <= 20000 => calcInterest(x,2)
case x if x <= 200000 => calcInterest(x,4)
case x if x <= 2000000 => calcInterest(x,3.5)
case x => calcInterest(x,6.5)
rint("Enter the deposit amount: ")
ar depositInput =readDouble()
rintln(s"The interest for deposit : ${findInterest(depositInput)}")
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
bash
nimal@nimal:~/Desktop/UCSC/lab_session1/pracitcal_9$ scala Q1.scala
Enter the deposit amount: 25000
The interest for deposit : 1000.0
nimal@nimal:~/Desktop/UCSC/lab_session1/pracitcal_9$
Ln 16, Col 77 Spaces: 4 UTF-8 LF Scala Go Live Prettier


Q2.scala - pracitcal_9 - Visual Studio Code
File Edit Selection View Go Run Terminal Help
Q2.scala M
Q2.scala > {} Q2
import scala.io.StdIn.readInt
run | debug
object Q2 {
def main(args:Array[String]): Unit = {
val isEven = (x:Int)=>x % 2 == 0
val findTypeNum = (x:Int)=> x match {
case x if x<=0 => println("Negative/zero is input.")
case x if isEven(x)=> println("Even number is given");
case _ => println("odd number is given")
}
print("Enter the number: ")
val inputNum = readInt()
findTypeNum(inputNum)
}
}
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
bash
nimal@nimal:~/Desktop/UCSC/lab_session1/pracitcal_9$ scala Q2.scala
Enter the number: -23
Negative/zero is input.
nimal@nimal:~/Desktop/UCSC/lab_session1/pracitcal_9$ scala Q2.scala
0Enter the number: 0
Negative/zero is input.
nimal@nimal:~/Desktop/UCSC/lab_session1/pracitcal_9$ scala Q2.scala
Enter the number: 54
Even number is given
nimal@nimal:~/Desktop/UCSC/lab_session1/pracitcal_9$ scala Q2.scala
Enter the number: 27
odd number is given
nimal@nimal:~/Desktop/UCSC/lab_session1/pracitcal_9$
main*+ 0 0 0
Ln 17, Col 2 Spaces: 4 UTF-8 LF Scala scala-cli Go Live Prettier

Q2.

Q3.


Q3.scala - pracitcal_9 - Visual Studio Code
File Edit Selection View Go Run Terminal Help
Q2.scala
Q3.scala
object Q3 {
def main(args:Array[String]):Unit = {
var toUpper = (w1:String)=>println(w1.toUpperCase())
var toLower= (w2:String)=>println(w2.toLowerCase())
var formatName = (w3:String,index1:Int,index2:Int)=>println(s"${toUpper(w3.substring(0,index1))}${w3.substring(index2,w3.length())}")
// for Niroshan output NIroshan
def formatNames(w3:String): Any ={
println(w3.substring(0,2).toUpperCase() + w3.substring(2))
}
// for Kumara output KumarA
def formatNames1(w4: String): Any ={
println(w4.substring(0,1).toUpperCase() + w4.substring(1,5) + w4.substring(5).toUpperCase())
}
toUpper("Benny")
formatNames("Niroshan")
toLower("Saman")
formatNames1("Kumara")
}
}
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
one error found
[Done] exited with code=1 in 2.006 seconds
[Running] scala "/home/nimal/Desktop/UCSC/lab_session1/pracitcal_9/Q3.scala"
BENNY
NIroshan
saman
KumarA
[Done] exited with code=0 in 2.177 seconds