22000862

R.K.J.P.Kashmira

Q1

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D □
<u>C</u>
                                 $ Q1.cala > {} Main > ⊕ main
1    class Rational(n: Int, d:Int) {
2    require(d != 0, "Denominator must be non-zero")
      ∨ OPEN EDITORS 1 unsaved
    ∨ SCALA-PRACTICAL-10
       > .scala-build
> .vscode
                                           def neg: Rational = new Rational(-numer, denom)
override def toString : String = numer + "/" + denom
                                 Q4.scala

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                                 PS C:\Users\USER\Downloads\SCS 2204 Functional Pragramming Practicals\Scala-Practical-10> scala "c:\Users\USER\Downloads\SCS 2204 Functional Pragramming Practicals
                                 \Scala-Practical-10\Q1.scala"
there was 1 deprecation warning; re-run with -deprecation for details
1 warning found
                                 -1/3
PS C:\Users\USER\Downloads\SCS 2204 Functional Pragramming Practicals\Scala-Practical-10>
> TIMELINE
> MYSQL

$<sup>9</sup> main<sup>4</sup> ↔ 01 17 ⊗ 0 △ 0 № 0 ☐ Conne
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Q2

```
<u>C</u>
                                                                                                                        $ Q2.scala > {} Main > ⊕ main
1 class Rational(n: Int, d: Int) {
2 require(d != 0, "Denominator must be non-zero")
                          OPEN EDITORS 1 unsaved
                             nef sub(that: Rational): Rational = {
    new Rational(
    numer * that.denom - that.numer * denom,
    denom * that.denom
    )
}
                                                                                                                                                       def neg: Rational = new Rational(-numer, denom)
                          > .scala-build
> .vscode
                         Q4.scala
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PS C:\Users\User\Downloads\SCS 2204 Functional Pragramming Practicals\Scala-Practical-100
                   > OUTLINE
 > TIMELINE > MYSQL
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Q2.scala Q3.scala M X
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 C
                                                                                                                                                                     $ Q3.scala > {} Main
1     class Account(private var balance: Double) {
                                         • ■ Q5.scala
■ Q1.scala
■ Q2.scala
                                                                                                                                                                                                               def deposit(amount: Double): Unit = {
   if (amount > 0) (
        balance == amount
        println(s"Deposited $5${amount}. New balance: $$${balance}^*)
 B
                                    > .scala-build
> .vscode
                                                                                                                                                                                                       def withdraw(amount: Double): Unit = {
   if (amount > 0 && amount <= balance) {
    balance == amount
   println("withdraw $(amount) LKR. New balance: $$$(balance)")
   else if (amount > balance) {
    println("Insufficient balance.")
   } else {
    println("withdraw amount must be positive.")
   }
}
                                    ■ Q1.scala
■ Q2.scala
                                    Q3.scala
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Viscala-Practical-10(0)3.scala*
Deposited $200.0. New balance: $1200.0
Wittherws 100.0 LER. New balance: $5750.0
Deposited $300.0. New balance: $750.0
Deposited $300.0. New balance: $750.0
Transferred 300.0 LER to target account.
Account 1 balance: 750.0UR
Account 2 balance: $00.0UR
PS C:\USerS\USER\Downloads\SCS 2204 Functional Pragramming Practicals\Scala-Practical-10>
PS C:\USerS\USER\Downloads\SCS 2204 Functional Pragramming Practicals\Scala-Practical-10>
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Q4

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      Page 1
                                this.witneraw(amount)
targetAccount.deposit(amount)
println(s'Transferred ${amount} | LER to target account.")
} else if (amount > balance) {
println("Insufficient balance for transfer.")
    × E Q4.scala

V SCALA-PRACTICAL-10
     > .vscode
• .gitattributes
                              def getBalance: Double = balance
                               def applyInterest(): Unit = {
  if (balance > 0) {
    balance += balance * 0.05
4
                                                                                                                                     [□ Code + ∨ [] fill ··· ^ ×
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