Lab 8

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Triangle

- -side1:double
- -side2:double
- -side3:double

Triangle():void

Triangle(side1: double, side2: double,

side3: double):void
+getArea():double

+getPerimeter():double

+toString():String

+getSide1():double

+setSide1(side1: double):void

+getSide2():double

+setSide2(side2: double):void

+getSide3():double

+setSide3(side3: double):void

GeometricObject

- -color:String
- -filled:boolean
- -dateCreated: Date

GeometricObject():void

GeometricObject(color: String, filled:

boolean):void

+getColor():String

+setColor(color:String):void

+isFIlled():boolean

+setFilled(filled:boolean):void

+getDateCreated():Date

+toString():String

CheckingAccount

^-id:int

- ^-balance:double
- ^-annualInterestRate:double
- ^-dateCreated: Date

^Account():void

- ^Account(id:int,balance:double):void
- ^+getMonthlyInterestRate():double
- ^+getMonthlyInterest():double
- ^+deposit(amount:doble):void
- ^+setId(id:int):void
- ^+getId():int
- ^+getBalance():double
- ^+setBalance(balance:double):void
- ^+getAnnualInterestRate():double
- ^+setAnnualInterestRate(annualInterestRate:double):void
- ^+getDateCreated():Date
- CheckingAccount():void

CheckingAccount(id:int, balance: double):void

^+withdraw(amt:double):void

SavingsAccount

+setAnnualInterestRate(annualInterestRate: double):void

Account

^-id:int

-id:int

-balance:double

Account():void

+setId(id:int):void

+getBalance():double

+getDateCreated():Date

+withdraw(amt:double):void

+aetId():int

-annualInterestRate:double-dateCreated: Date

Account(id:int,balance:double):void

+getMonthlyInterestRate():double

+setBalance(balance:double):void

+getAnnualInterestRate():double

+getMonthlyInterest():double

+deposit(amount:doble):void

- ^-balance:double
- $\verb|^-annualInterestRate:double|\\$
- ^-dateCreated: Date

^Account():void

- ^Account(id:int,balance:double):void
- ^+getMonthlyInterestRate():double
- ^+getMonthlyInterest():double
- ^+deposit(amount:doble):void
- ^+setId(id:int):void
- ^+getId():int
- ^+getBalance():double
- ^+setBalance(balance:double):void
- ^+getAnnualInterestRate():double
- ^+setAnnualInterestRate(annualInterestRate:double):void
- ^+getDateCreated():Date

SavingsAccount():void

SavingsAccount(id:int, balance: double):void

^+withdraw(amt:double):void

Sorter

Course

+Course(courseName: String):void

+addStudent(student:String):void

+dropStudent(student:String):void

list:ArrayList

-courseName:String

-numberOfStudents:int

+getStudents():String[]

getCourseName():String

-students:ArrayList

+main(args: String[]):void
+selSort(list: ArrayList):void