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Lab 8

UML

11.1
Triangle
- side1: double - side2: double - side3: double
+Triangle() +Triangle(side1: double, side2: double, side3 double) + getSide1(): double + getSide2(): double + getSide3(): double + getArea(): double + getPerimeter(): double + toString(): String

11.1
GeometricObject
-color: String -filled: Boolean -dateCreated:java.util.date
+GeometricObject() +GeometricObject(color:String, filled:Boolean) +getColor():String +setColor(color: String): void +isFilled():Boolean +setFilled(filled:Boolean): void +getDateCreated():java.util.date +toString():String

11.03
Account
-id: int -balance: double <u>-annualInterestRate: double</u> -dateCreated: String
+Account() +Account(newid: int, newBalance: double) +setId(newId: int) +setBalance(newBalance: double) +setAnnualInterestRate(newAnnualInterestRate: double) +getId(): int

+getBalance():double
+getAnnualInterestRate(): double
+getDateCreated(): String
+getMonthlyInterestRate(): double
+withdraw(amount: double)
+deposit(amount: double)

11.03
CheckingAccount
-overdraftLimit: double
+CheckingAccount()
+CheckingAccount(id: int, balance: double, overdraftLimit: double)
+getOverdraftLimit(): double
+setOverdraftLimit(overdraftLimit: double): void
+withdraw(amount: double): void
+toString(): String

11.03
SavingsAccount
+SavingsAccount()
+SavingsAccount(id: int, balance: double)
+withdraw(amount: double): void

11.05
Course
-courseName: String
-students: ArrayList<String>
+ Course(String courseName)
+addStudent(String student): void
+getStudents(): String[]
+getNumberOfStudents: int
+getCourseName(): String
+dropStudent(String student):void