Geometric Object
-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

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

Account
-id: int
-balance: double
-annualInterestRate: double
-dateCreated: String
+Account()
+Account(newid: int, newBalance: double)
+setId(newId: int)
+setBalance(newBalance: double)
+setannualInterestRate(newAnnualInterstRate: double)
+getId(): int
+getBalance(): double
+getAnnualInterstRate(): double
+getDateCreated(): String
+getMonthlyInterstRate(): double
+getMonthlyInterest(): double
+withdraw(amount: double)
+deposit(amount: double)

CheckingAccount
-overdraftLimit: double
+CheckingAccount() +CheckingAccount(newId: int, newBalance: double, overdraftLimit: double) +setOverdraftLimit(overdraftLimit: double): void +getOverdraftLimit(): double +withdraw(amount: double): Boolean +toString(): String

SavingsAccount
+SavingsAccount +withdraw(amount: double): boolean

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