GeometricObject

-String color;
-boolean filled;
-java.util.Date dateCreated;

+GeometricObject(){
+GeometricObject(String color, boolean filled)
+setColor(String color): void
+String getColor()
+boolean isFilled()
+setFilled(boolean filled): void
+java.util.Date getDateCreated()
+String toString()

Triangle

-double side1
-double side2
-double side3

+Triangle()
+Triangle(double Side1, double Side2, double Side3)
+double getSide1()
+double getSide2()
+double getSide3()
+double getArea()
+double getPerimeter()
+String toString()

Account2

-private int Id;
-private double balance;
-private double annualInterestRate;
+double monthlyInterestRate;
+Account2()
+Account2(int newId, double newBalance, double newAnnualInterestRate)
+int getId()
+double getBalance()
+double getAnnualInterestRate()
+Date dateCreated()
+double getMonthlyInterestRate(){
+double getMonthlyInterest()
+double withdraw(double withdrawal)
+double deposit(double deposit)
+String toString()

SavingsAccount

```
-double Balance;
+SavingsAccount()
+SavingsAccount(double balance)
+double getBalance()
+double withdraw(double withdrawal)
+String toString()
```

CheckingAccount

```
-double Balance
-double limit
+CheckingAccount()
+CheckingAccount(double balance)
+double getBalance()
+double withdraw(double withdrawal)
+String toString()
```

Course

```
private String courseName;
  -ArrayList<String> students
  -int numberOfStudents;

  +Course(String courseName)

  +addStudent(String student):void

  +ArrayList<String> getStudents()

  +int getNumberOfStudents()

  +String getCourseName()
```