

## SimpleGeometricObject

- color: String
- filled: boolean
- dateCreated: Date
- + SimpleGeometricObject()
- + SimpleGeometricObject(color: String, filled: boolean)
- + getColor(): String
- + setColor(color: String): void
- + isFilled(): boolean
- + setFilled(filled: boolean): void
- + getDateCreated(): 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
- + main(args: String[]): void

## Checking Account

- overdraftLimit: double

CheckingAccount()

CheckingAccount(overdraftLimit: double)

+ getOverdraftLimit(): double

+ withdraw(amount: double): void

+ toString(): String

+ main(args: String[]): void

## Savings Account

- overdraftWarning: double

SavingsAccount()

SavingsAccount(overdraftWarning: double)

+ getOverdraftWarning(): double

+ withdraw(amount: double): void

+ toString(): String

+ main(args: String[]): void

## Course

- courseName: String

- students: ArrayList<String>

- numberOfStudents: int

+ Course(courseName: String)

+ addStudent(student: String): void

+ getStudents(): ArrayList<String>

+ getNumberOfStudents(): int

+ getCourseName(): String

+ dropStudent(student: String): void

+ clear(): void

+ toString(): String

+ main(args: String[]): void