

Account

- id: int
- balance: double
- annualInterestRate: double
- dateCreated: Date

- + Account()
- + Account(_id: int, _balance: double)
- + getId(): int
- + getBalance(): double
- + getAnnualInterestRate(): double
- + getDateCreated(): Date
- + changeId(newId: int): void
- + changeBalance(newBalance: double): void
- + changeAnnualInterestRate(newAnnualInterestRate: double): void
- + getMonthlyInterestRate(): double
- + getMonthlyInterest(): double
- + withdraw(amount: double): void
- + deposit(amount: double): void

RegularPolygon

- n: int
- side: double
- x: double
- y: double

- + RegularPolygon()
- + RegularPolygon(_n: int, _side: double)
- + RegularPolygon(_n: int, _side: double, _x: double, _y: double)
- + getN(): int
- + getSide(): double
- + getX(): double
- + getY(): double
- + changeN(newN: int): void
- + changeSide(newBalance: double): void
- + changeX(newX: double): void
- + changeY(newY: double): void
- + getPerimeter(): double
- + getArea(): double

LinearEquation

- a: double
- b: double
- c: double
- d: double
- e: double
- f: double

- + LinearEquation(a: double, b: double, c: double, d: double, e: double, f: double)
- + getA(): double
- + getB(): double
- + getC(): double
- + getD(): double
- + getE(): double
- + getF(): double
- + isSolvable(): boolean
- + getX(): double
- + getY(): double