

UML DIAGRAM 11.1

Triangle
-Side1: double -side2:double -side3:double
+triangle() +triangle(sideA:double, sideB:double, sideC:double) +getTriangle +getslide1(): double +getslide2(): double +getslide3(): double +getHeight(): double +getArea():double +getParameter():double +toString():string

GeometricObject
-color:string -filled:boolean -dateCreated:java.util.date
+geometricObject() +geometricObject(color:string, filled:Boolean) +getColor(): string +setColor(color:string) +isfilled(): Boolean +setfilled(filled: Boolean) +getDateCreated(): java.util.date +toString(): string +getArea(): double +getPerameter():double

UML DIAGRAM 11.3

Account
-id:int -balance:double -AnnualInterestRate:double -dateCreated: java.util.date
+account() +account(id:int, balance:double) +setId(id:int)

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+setBalance(balance: double)
+setAnnualInterestRate(AnnualInterestRate:double)
+getId():int
+getBalance(): double
+getAnnualInterestRate():double
+getDateCreated(): string
+getMonthlyInterestRate():double
+getMonthlyInterest():double
+withdraw(amount:double)
+deposit(amount:double)
+toString(): string

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CheckingAccount
-overdraftlimit: int -super(): string
+checkingAccount() +checkingAccount(id:int, balance: double, overdraft: double) +setOverdraft(overdraft: double) +getOverdraft(): double +withdrawMoneyAmount(amount:double) +toString():string

SavingsAccount
-super():string
+savingsAccount() +SavingsAccount(id:int, balance: double) +withdrawMoney(amount:double)

UML Diagram 11.5

Course
-courseName: String -students: array
+course(courseName: string) +addStudents(student: string): void +getStudents(): string +getNumberOfStudents(): int +getCourseNumber(): string

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+dropStudents(student: string): void
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