

Marist College

Object Oriented Programming in Java

Assignment_8

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By-

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1.

GeometricClass
-color : String -filled : boolean
GeometricClass() GeometricClass (color : String, filled : boolean) + getColor ():String + setColor () + isFilled () : boolean + setFilled ()

Triangle
-side1: double -side2: double -side3: double
Triangle () Triangle (double : side1, double : side2, double:side3) Triangle (double : side1, double : side2, double:side3, color: String , filled : boolean) + getFirstSide ():double + getSecondSide ():double + getThirdSide():double +getArea():double +getPerimeter():double + toString () : String

2.

Accounts
-id : int -balance: double -annualInterestRate: double -dateCreated:Date
Accounts() Accounts (id : int, balance:double, annualInterestRate:double) + getId ():int + setId (i:int):String + getbalance ():double + setbalance (bal : double):double + getannualInterestRate ():double + setannualInterestRate (rate : double):double + getdateCreated ():Date + getMonthlyInterestRate ():double

<ul style="list-style-type: none"> + getMonthlyInterest ():double + toString ():String + deposit (amt:double) + withdraw (amt:double)

SavingsAccount
-savingsId: int -savingsBalance: double -dateCreated:Date
SavingsAccount () SavingsAccount (id : int, savingsBalance:double) + getSavingsId ():int + setSavingsId (i:int):String + getSavingsbalance ():double + setSavingsbalance (bal : double):double + getannualInterestRate ():double + setannualInterestRate (rate : double):double + getdateCreated ():Date + toString ():String + deposit (amt:double) + withdraw (amt:double)

CheckingAccount
-checkingId: int -checkingBalance: double -dateCreated:Date
CheckingAccount () CheckingAccount (id : int, checkingBalance:double) + getCheckingId ():int + setCheckingId (i:int):String + getCheckingbalance ():double + setCheckingbalance (bal : double):double + getdateCreated ():double + setannualInterestRate (rate : double):double + getdateCreated ():Date + toString ():String + deposit (amt:double) + withdraw (amt:double)

3.

Course
-students: ArrayList<String> -courseName: String
+ Course (courseName:String) +addStudent (student : String) +getStudent () +getNumberOfStudents ():int +CourseName ():String + dropStudent ()

4.

IntergerSorted
IntergerSorted () +sort (list : ArrayList<Integer>) +printArray (list : ArrayList<Integer>)