

GeometricObject
+Filled:boolean +dateCreated:Date
#GeometricObject:dateCreated +getColor:color +setColor:color +isFilled:filled +setFilled:filled +getDateCreated:dateCreated +toString

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

```
getId:id  
getBalance:balance  
getAIR:annualInterestRate  
getDateCreated:dateCreated  
setId:id  
setBalance:balance  
setAIR:annualInterestRate  
getMonthlyInterest:balance * getMonthlyInterestRate  
withdraw:balance -= amount  
deposit:balance += amount  
toString()
```

Saving

```
savingBal:double  
super:id, balance
```

```
+Saving:int id, double balance  
+withdraw:double amount
```

Checking
overDraft:double
+Checking: +Checking:double balance,int id, double overdraftLimit +withdraw:void

Course
-courseName:String -ArrayList:students -numberOfStudents:int
+Course:courseName +getStudents:students +addStudent:students +getCourseName:courseName +getNumberOfStudents:numberOfStudents +dropStudent:void