

Program 11-3:

class : Checking Account

OVERDRAFT_LIMIT : double

+ withdraw (amount : double)
 + CheckingAccount (id : int, balance : double)
 + toString : string

class : SavingsAccount

OVERDRAFT_LIMIT : double

+ SavingsAccount (id : int, balance : double)
 + withdraw (amount : double)
 + toString : string

class : Account11-3:

mName : string
 # mId : int
 # mBalance : double
 # mAnnualInterestRate : double
 # mDateCreated : Date
 # mTransactions : ArrayList

+ Account11-3 (id : int, balance : double, name : string)
 + setId (id : int)
 + setBalance (balance : double) - void
 + getBalance - double
 + getId - int
 + getAnnualInterestRate - double
 + setAnnualInterestRate (annualInterestRate : double) - void
 + getDateCreated - Date
 + getMonthlyInterestRate - double
 + withdraw (amount : double)
 + deposit (amount : double)
 + toString : string

Program 11-5:
class: Course

- courseName : String.
- ~~ArrayList~~
- students : ArrayList

+ Course (courseName : String)
+ addStudent (student : String) - void
+ getStudents - String
+ getNumberOfStudents - int
+ getCourseName - String
+ dropStudent (student : String) - void
+ clear - void.

Program 11-11:

class PRG11-11:

(method) → + sort (list : ArrayList) - void

Program 11-17:

class PRG11-17

- smallestSquare (factors : ArrayList) - int
- removeDuplicates (m : int) - ArrayList
- search (m : int, number : int) - void
- copy (factors : ArrayList) - int
- getFactors (m : int, factors : ArrayList) - void

Program 11-13:

class PRG11-13

+ removeDuplicate (list : ArrayList) - void

class MyInteger

- value : int

+ MyInteger (value : int)
+ getValue - int
+ setValue (value : int) - void
+ isEven - boolean
+ isOdd - boolean
+ isPrime - boolean