|  |
| --- |
| Account |
| id : int  balance : double  annualInterestRate : double  dateCreated : Date |
| Account()  getId() : int  setId(id : int) : void  getBalance() : double  setBalance(balance : double) : void  getAnnualInterestRate() : double  setAnnualInterestRate(annualInterestRate : double) : void  getDateCreated() : Date  getMonthlyInterestRate() : double  getMonthlyInterest() : double  withdraw(value int) :void  deposit(int) : void |

|  |
| --- |
| CheckingAccount |
| limit : double |
| CheckingAccount()  setLimit(limit : double) : void  withdraw(value int) :void |

|  |
| --- |
| SavingAccount |
| - |
| SavingAccount()  withdraw(value int) :void |

LAB7 UML DIAGRAM

#Program1

#Program2

|  |
| --- |
| NewAccount |
| name : String  id : int  balance : double  annualInterestRate : double  dateCreated : Date  transactions : ArrayList<Transaction> |
| NewAccount(name : String,id : int,balance : double)  getName() : String  getId() : int  setId(id : int) : void  getBalance() : double  setBalance(balance : double) : void  getAnnualInterestRate() : double  setAnnualInterestRate(annualInterestRate : double) : void  getDateCreated() : Date  getMonthlyInterestRate() : double  getMonthlyInterest() : double  withdraw(value int) :void  deposit(int) : void  getTransactions : ArrayList<Transaction> |

|  |
| --- |
| Transaction |
| date : Date  type : char  amount : double  balance : double  description : String |
| Transaction(type : char,amount : double,balance : double,description : String)  printTransaction() : void |

#Program3

|  |
| --- |
| Person |
| name : String  address : String  phoneNumber : String  emailAddress : String |
| Person()  toString() : String |

|  |
| --- |
| Student |
| status : enum  statusCode : String |
| Student()  toString() : String |

|  |
| --- |
| Employee |
| office : String  salary : double  dateHired : LocalDate |
| Employee()  toString() : String |

|  |
| --- |
| Staff |
| title : String |
| Staff()  toString() : String |

|  |
| --- |
| Facultry |
| officeHours : double  rank : String |
| Facultry()  toString() : String |