|  |
| --- |
| Account |
| -id: int  -balance: double  -annualInterestRate: double  -dateCreated: Date |
| +Account()  +Account(id: int, balance: double)  +setId(newId: int): void  +getId(): int  +setBalance(newBalance: double): void  +getBalance(): double  +setAnnualInterestRate(newAnnualInterestRate: double): void  +getAnnualInterestrate(): double  +getMonthlyInterestRate(): double  +withdraw(m: double): void  +deposit(m: double): void |

|  |
| --- |
| id for the account (default 0).  balance for the account (default 0).  annualInterestRate that stores the current interest rate (default 0).Assume all accounts have the same interest rate.  dateCreated that stores the date when the account was created.  creates a default account.  creates an account with the specified id and initial balance.  sets a new id  returns id  sets a new balance  returns balance  sets a new annual interest rate  returns annual interest rate  returns monthly interest rate  withdraws amount from the account  deposits amount to the account |