|  |  |  |  |
| --- | --- | --- | --- |
| **Class: MainClass** | | | |
| **Data:** | | | |
| Names: | Types: |  |  |
| name | String |  |  |
| **Methods:** | | | |
| Names: | Types: | Parameters: | Purpose |
| calculateInterest | void | passedInAccount | recieves SavingsAccount object, calculates and prints monthly interest additions to account |
|  |  |  |  |
| **Class: SavingsAccount** | | | |
| **Data:** | | | |
| Names: | Types: |  |  |
| accountNumber | String |  |  |
| balance | double |  |  |
| rate | double |  |  |
| **Methods:** | | | |
| Names: | Types: | Parameters: | Purpose |
| SavingsAccount | constructor | acctNo, startingBalance, startingRate | creates an account called myAccount and sets balance: $4000, rate: 0.4%, accountNumber: "8675309" |
| getAccountNumber | String |  | returns accountNumber |
| getBalance | double |  | returns balance |
| getRate | double |  | returns rate |
| setAccountNumber | void | newAcctNum | assigns new account number |
| setRate | void | newIntRate | assigns new interest rate |
| addToBalance | void | amount | adds to amount to balance |
| withdrawFromBalance | void | amount | subtracts amount from balance |