JAVA

WEEK 7

|  |  |  |
| --- | --- | --- |
| Attributes | Purpose | Variable Type |
| accountNumber | Holds the string for an account number | string |
| accountHolder | Holds the name of the account holder in a string | string |
| balance | Holds the balance/money value - The required is a double as the balance could be a very large number | Double |
| hasOverdraft | True or False variable which determines if the account is eligible for an Overdraft | boolean |
| amount | Amount that will be withdrawn | double |

|  |  |  |
| --- | --- | --- |
| Method | Purpose | Return Type |
| BankAccount | Creates the account | class |
| String | Prints the account info | string |
| setAccountNumber | Sets the accountNumber | string |
| getAccountNumber | Retrieves the accountNumber | string |
| setAccountHolder | Sets the accountHolder | String accountHolder |
| getAccountHolder | gets the accountHolder | accountHolder |
| getBalance | Gets the balance | Double, balance |
| setBalance | Sets the balance | Double, balance |
| hasOverdraft | Boolean to check for overdraft | Boolean,  hasOverdraf =true/false |
| setHasOverdraft | Sets the hasOverdraft variable to either true or false. | Boolean,  true/false |
| deposit | To add to the balance | Double, amount value |
| withdraw | To take away from the balance | Double, amount |
| addInterest | Adds interest by doing a calculation | double |
| main | Main void that the program runs first. | void |