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| **LAB211 Assignment** | **Type:** | **Short Assignment** |
| **Code:** | **J1.S.H205** |
| **LOC:** | **60** |
| **Slot(s):** | **1** |

**Title**

Banking Account

**Background**

N/A

**Program Specifications**

A company has written a large class BankingAccount with many methods including:

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| **Method/Constructor** | **Description** |
| public BankingAccount(Startup *s*) | constructs a BankingAccount object using information in the Startup object *s* |
| public void debit(Debit *d*) | records the given debit |
| public void credit(Credit *c*) | records the given credit |
| public int getBalance() | returns current balance in pennies |

Design a new class MinMaxAccount whose instances can be used in place of a BankingAccount object but include new behavior of remembering the minimum and maximum balances ever recorded for the account. You should provide the same methods as the superclass, as well as the following new behavior:

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| --- | --- |
| **Method/Constructor** | **Description** |
| public MinMaxAccount(Startup *s*) | constructs a MinMaxAccount object using information in the Startup object *s* |
| public int getMin() | returns minimum balance in pennies |
| public int getMax() | returns maximum balance in pennies |

The account's constructor sets the initial balance based on the Startup information. Assume that only the debit and credit methods change an account's balance.