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CS 202

Assignment 2

This program allows the interaction of three classes via inheritance and composition. By establishing a class, Money, we may conduct transactions as object members in the main credit card function. We inherit Money class into CreditCard class, and are able to use all the functions from Money in balance, which is useful for organizing the parameters of Money, in dollars and cents values, and using it within CreditCard. Also we have an enumeration that will give which credit card type we have, to later assign a type to the account.

dataTypeName

Money

domain

Every object of money has dollars and cents as a value

operations

Set dollars and cents to 0, 0

Take actual amounts for dollars and cents for money

Return dollars amount

Return cents amount

Show dollars in a decimal amount as a float

dataTypeName

CreditCard

domain

Every credit card has a credit card number string, an object depicting Type of credit card, and an object balance of Money.

operations

Have default CreditCard

Set CreditCard

Get the Card’s type

get the Card’s number

get the Balance as a value in order to print

Return the Balance

Decrease Balance

Increase Balance

