

Teller Machine

1. Create a new class that represents a *Teller Machine*.
2. Add a *manufacturer*, *deposits*, *withdrawals*, and *balance* property to the Teller Machine class:
 - *manufacturer*: indicates the manufacturer name for the teller machine.
 - *deposits*: indicates the total amount that has been deposited into the machine.
 - *withdrawals*: indicates the total amount that has been withdrawn from the machine.
 - *balance*: indicates the net difference between deposits and withdrawals.
3. Create a constructor that accepts *manufacturer*, *deposits*, and *withdrawals*.
4. Instantiate an object, or objects, in *Main()*, and use the object(s) to test your methods.
5. Create a method that checks to see if a string parameter, *cardNumber*, is a valid card. The method only returns *true* under the following conditions:
 - If the *cardNumber* begins with a 5 and has 16 digits
 - If the *cardNumber* begins with a 4 and has 13 or 16 digits
 - If the *cardNumber* begins with a 3 and is followed by a 4 or a 7
6. Override the *ToString()* method and have it return "ATM - {*manufacturer*} - {*balance*}" where {*manufacturer*} and {*balance*} are placeholders for the actual values. The values from the object should be shown in the string where {*variable-name*} is indicated.
7. Implement unit tests to validate the functionality of:
 - The balance calculation
 - The valid card number method
8. In the Program class, within the Main method, read in the provided csv file *TellerInput.csv*, and use it to populate a list of *Teller Machine* objects.
9. Add up the total balance for all of the teller machines in the list, and print it to the screen.