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| **Application/ Program name:** | CH4\_EX15 |
| **Written by:** | Allen J Myers |

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| **Purpose or problem definition:** |
| Using value from a file to draw an initial balance and assign to variable, using correct functions to determine how to charge user for use of ATM machine. |
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| **Program Procedures:** |
| Upon launch, program draws an initial balance form CH4\_EX15\_Data.txt; prompts user for amount to withdraw. Using algorithms, will then calculate how much a service fee is for the withdrawal amount. Once complete, will then print account balance, service charge and assign the balance to CH\_4\_EX15\_Output.txt. |
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| **Algorithm/Processing/Conditions:** |
| **Inputs:** |
| I/O from file, pulls account initial balance. Prompts for withdrawal amount. |
| **Processes:** |
| Calculates the service charges depending on withdrawal amount, subtracts amount of applicable service fees and withdrawal amount from initial balance. |
| **Outputs:** |
| Prints remaining balance to terminal, outputs remaining balance to file. |
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| **Notes & Restriction:** |
| Will only pull initial balance from given file, will not allow you to deposit money. |
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| **Comments:** |
| Implementation of I/O streams, supposedly simple…not so easy. |