Transfer Tests

- Since daily transfer limit at an ATM is $10000 there will be a dictionary (Python hash table) that contains the amounts transferred by each account in the ATM that day so that it can be referenced

Test #	Desc	Purpose	Input	Input Files	Output Files	Terminal Output
T1	ATM/agent case, transfer command, invalid account number	Reject if an account number is not in valid account list	transfer 1000243 1000327 10000	VAF not containing 1000327, transfer hash table if in atm mode	None	Error message telling users that a given account is not on valid account list
T2		Reject account numbers that have non-numeric characters	transfer 1000243 1000327 10000	VAF, transfer hash table if in atm mode	None	Error message telling users that the account number must be all numeric digits
T3	ATM case, transfer command, invalid amount	Reject transfer amount that exceeds $10000	transfer 1000243 1000327 1000000	VAF containing 1000327 and 1000243, transfer hash table	None	Error message telling users there is a limit of $10000 on an ATM
T4		Reject transfer amount that is less than $0	transfer 1000243 1000327 -10000	VAF containing 1000327 and 1000243, transfer hash table	None	Error message telling users they can not transfer a negative amount
T5		Reject transfer amount that contains non-numeric characters	transfer 1000243 1000327 9f4ed-	VAF containing 1000327 and 1000243, transfer hash table	None	Error message telling users amount must be all numeric digits
T6	ATM case, transfer amount, exceeding limit	Reject transfer if you are attempting to transfer more than $10000 in an ATM in a single day	transfer 1000243 1000327 650000	VAF containing 1000327 and 1000243, transfer hash table	None	Error message telling users they have exceeded the daily ATM transfer limit
T7	ATM case, transfer command, valid amount	Accept valid transfer amount on ATM	transfer 1000243 1000327 650000	VAF containing 1000327, transfer hash table	Transaction message containing transfer transaction	Empty, or possibly information messages in response to commands
T8	Agent case, transfer command, invalid amount	Reject transfer amount that exceeds $999,999.99	transfer 1000243 1000327 100000000	VAF containing 1000327 and 1000243	None	Error message telling users there is a limit of $999,999.99 on an ATM
T9		Reject transfer amount that is less than $0	transfer 1000243 1000327 -10000	VAF containing 1000327 and 1000243	None	Error message telling users they can not transfer a negative amount

T10	Agent case, transfer command, invalid amount	Reject transfer amount that contains non-numeric characters	transfer 1000243 1000327 9f4ed-	VAF containing 1000327 and 1000243	None	Error message telling users that the account number must be all numeric digits
T11	Agent case, transfer command, valid amount and number	Accept transfer amount and create transaction message	Transfer 1000243 1000327 100000	VAF containing 1000327 and 1000243	Transaction message containing transfer transaction	Empty, or possibly information messages in response to commands

Transfer Tests Input/Output Examples

Test #	Input File Content	Output File Content
T1-T2	Valid Accounts File 1000243 1324333 0000000 Transfer Hash Table 1000243: $0 1324333: $0	(empty)
T3-T5	Valid Accounts File 1000243 1000327 0000000 Transfer Hash Table 1000243: $0 1000327: $0	(empty)
T6	Valid Accounts File 1000243 1000327 0000000 Transfer Hash Table 1000243: $0 1000327: $5000	(empty)
T7	Valid Accounts File 1000243 1000327 0000000 Transfer Hash Table 1000243: $0 1000327: $3000	Transaction Message XFR 1000243 650000 1000327 *** Transfer Hash Table 1000243: $0 1000327: $9500
T8-T10	Valid Accounts File 1000243 1000327 0000000	(empty)
T11	Valid Accounts File 1000243 1000327 0000000	Transaction Message XFR 1000243 100000 1000327 ***