

Deposit Tests

- Since daily deposit limit in an ATM is \$5000 there will be a dictionary (Python hash table) that contains the amounts deposited 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, deposit command, invalid account number	Reject account numbers not in valid account list	deposit 1000327 1000	VAF not containing 1000327, deposit hash table if ATM	None	Error message telling users that the given account is not on valid account list
T2		Reject account numbers that have non-numeric characters	deposit 1234bbb 1000	VAF, deposit hash table if ATM	None	Error message telling users that the account number must be all numeric digits
T3	ATM case, deposit command, invalid amount	Reject deposit amount that exceeds \$2000	deposit 1000327 1000000	VAF containing 1000327, deposit hash table	None	Error message telling users there is a limit of \$2000 on an ATM
T4		Reject deposit amount that is less than \$0	deposit 1000327 -10000	VAF containing 1000327, deposit hash table	None	Error message telling users they can not deposit a negative amount
T5		Reject deposit amount that contains non-numeric characters	deposit 1000327 9f4ed-	VAF containing 1000327, deposit hash table	None	Error message telling users amount must be all numeric digits
T6	ATM case, deposit amount, exceeding limit	Reject deposit if you are attempting to deposit more than \$5000 in an ATM in a single day	deposit 1000327 100000	VAF containing 1000327, deposit hash table	None	Error message telling users that they have exceeded their ATM deposit limit
T7	ATM case, deposit command, valid amount	Accept valid deposit amount on ATM and create transaction message	deposit 1000327 100000	VAF containing 1000327, deposit hash table	Transaction message containing deposit transaction, deposit hash table with updated values	Empty, or possibly information messages in response to commands
T8	Agent case, deposit command, invalid amount	Reject deposit amount that exceeds \$999,999.99	deposit 1000327 100000000	VAF	None	Error message telling users there is a limit of \$2000 on an ATM
T9	Agent case, deposit command, invalid amount	Reject deposit amount that is less than \$0	deposit 1000327 -10000	VAF containing 1000327	None	Error message telling users they can not deposit a negative amount

T10	Agent case, deposit command, invalid amount	Reject deposit amount that contains non-numeric characters	deposit 1000327 9f4ed-	VAF containing 1000327	None	Error message telling users that the account number must be all numeric digits
T11	Agent case, deposit command, valid amount and number	Accept deposit amount and create transaction message	deposit 1000327 300000	VAF containing 1000327	Transaction message containing deposit transaction	Empty, or possibly information messages in response to commands

Deposit Tests Input/Output Examples

Test #	Input File Content	Output File Content
T1, T2	<u>Valid Accounts File</u> 1324333 0000000 <u>Deposit Hash Table</u> 1324333: \$0	(empty)
T3-T5	<u>Valid Accounts File</u> 1000327 1324333 0000000 <u>Deposit Hash Table</u> 1000327: \$0 1324333: \$0	(empty)
T6	<u>Valid Accounts File</u> 1000327 1324333 0000000 <u>Deposit Hash Table</u> 1000327: \$4500 1324333: \$0	(empty)
T7	<u>Valid Accounts File</u> 1000327 1324333 0000000 <u>Deposit Hash Table</u> 1000327: \$0 1324333: \$0	<u>Transaction Message</u> DEP 1000327 100000 0000000 *** <u>Deposit Hash Table</u> 1000327: \$1000 1324333: \$0
T8-10	<u>Valid Accounts File</u> 1000327 1324333 0000000	(empty)
T11	<u>Valid Accounts File</u> 1000327 1324333 0000000	<u>Transaction Message</u> DEP 1000327 300000 0000000 ***

