Statement coverage - transfer method

Test Case ID	is_admin	amount	account_num_from	account_num_to	Expected output
TC1	True	200	00001	12345	Should succeed (despite 12345 being disabled – depends on logic)
TC2	True	1500	00001	12345	Fails: logs "Balance Violation Error"
TC3	True	500	999	12345	Fails: logs "Account does not exist"
TC4	False	1500	00001	12345	Fails: logs "Transfer Limit Violation"
TC5	False	1300	00001	12345	Fails: logs "Balance Violation Error"
TC6	False	300	00001	12345	Should succeed
TC7	False	500	999	00001	Fails: logs "Account does not exist"

Loop coverage - Withdrawal method

Test ID case	How many times loop runs	account_num	Expected output
LC1	0	_____	Nothing is happening because no account was

			provided
LC2	1	00001	Loop runs once when the first account in txt file matches
LC3	2	12345	Loop runs once when the twice account in txt file matches
LC4	3	00002	Loop runs many times when account in txt file matches

Decision coverage - Withdrawal method

DC1 – if self.is_admin

Test Case ID	amount	account_num	is_admin	Expected Result
DC1-True	100	00001	True	Admin path taken → success
DC1-False	100	00001	False	Standard path taken → success

DC2 – if int(x['account_number']) == self.account_num

Test Case ID	amount	account_num	is_admin	Expected Result
DC2-True	100	00001	True	Account found → withdrawal allowed

| DC2-False | 100 | 999 | True | Account not found → logs "Account does not exist" |

DC3 – if int(x['account_number']) == self.account_num

Test Case ID	amount	account_num	is_admin	Expected Result
DC3-True	100	00001	False	Account found → withdrawal allowed
DC3-False	100	999	False	Account not found → logs "Account does not exist"

DC4 – if self.amount > 1000

Test Case ID	amount	account_num	is_admin	Expected Result
DC4-True	1500	00001	False	Logs "Withdrawal Limit Violation"
DC4-False	500	0001	False	Under limit → continue

DC5 – if self.amount > balance

Test Case ID	amount	account_num	is_admin	Expected Result
DC5-True	1500	00001	True	Logs "Balance Violation Error"

| DC5-False | 300 | 00001 | True | Sufficient balance → withdrawal allowed |