Connecting to JDBC...

JDBC connected.

1. open a branch in London

Branch Opened.

2. open a branch in Munich

Branch Opened.

3. open a branch in New York

Branch Opened.

4. open a branch in Toronto

Branch Opened.

5. create a customer Adams

Customer created.

6. create a customer Blake

Customer created.

7. create a customer Henry

Customer created.

8. create a customer Jones

Customer created.

9. create a customer Smith

Customer created.

10. open an account for Adams in London branch with an initial deposit of $1,000

Account created.

11. open an account for Adams in Munich branch with an initial deposit of $1,000

Account created.

12. open an account for Adams in New York branch with an initial deposit of $1,000

Account created.

13. open an account for Adams in Toronto branch with an initial deposit of $1,000

Account created.

14. open an account for Blake in London branch with an initial deposit of $1,000

Account created.

15. open an account for Blake in Munich branch with an initial deposit of $2,000

Account created.

16. open an account for Blake in New York branch with an initial deposit of $3,000

Account created.

17. open an account for Henry in London branch with an initial deposit of $2,000

Account created.

18. open an account for Henry in Munich branch with an initial deposit of $1,000

Account created.

19. open an account for Jones in Toronto branch with an initial deposit of $5,000

Account created.

20. show customer Adams (not just customer table info, use PL/SQL subprograms)

+===========+==========+==========+=========+

| Customer# | Name | Account# | Balance |

+-----------+----------+----------+---------+

| 00000| Adams| 0000000| 1000|

+-----------+----------+----------+---------+

| 00000| Adams| 0010000| 1000|

+-----------+----------+----------+---------+

| 00000| Adams| 0020000| 1000|

+-----------+----------+----------+---------+

| 00000| Adams| 0030000| 1000|

+-----------+----------+----------+---------+

| Total Balance = 4000|

+===========+==========+==========+=========+

21. show customer Blake

+===========+==========+==========+=========+

| Customer# | Name | Account# | Balance |

+-----------+----------+----------+---------+

| 00001| Blake| 0000001| 1000|

+-----------+----------+----------+---------+

| 00001| Blake| 0010001| 2000|

+-----------+----------+----------+---------+

| 00001| Blake| 0020001| 3000|

+-----------+----------+----------+---------+

| Total Balance = 6000|

+===========+==========+==========+=========+

22. show customer Henry

+===========+==========+==========+=========+

| Customer# | Name | Account# | Balance |

+-----------+----------+----------+---------+

| 00002| Henry| 0000002| 2000|

+-----------+----------+----------+---------+

| 00002| Henry| 0010002| 1000|

+-----------+----------+----------+---------+

| Total Balance = 3000|

+===========+==========+==========+=========+

23. show customer Jones

+===========+==========+==========+=========+

| Customer# | Name | Account# | Balance |

+-----------+----------+----------+---------+

| 00003| Jones| 0030001| 5000|

+-----------+----------+----------+---------+

| Total Balance = 5000|

+===========+==========+==========+=========+

24. show customer Smith

+===========+==========+==========+=========+

| Customer# | Name | Account# | Balance |

+-----------+----------+----------+---------+

| Total Balance = 0|

+===========+==========+==========+=========+

25. show London branch

+==========+===========+=========+

| Account# | Customer# | Balance |

+----------+-----------+---------+

| 0000000| 00000| 1000|

+----------+-----------+---------+

| 0000001| 00001| 1000|

+----------+-----------+---------+

| 0000002| 00002| 2000|

+----------+-----------+---------+

| Total Balance = 4000|

+==========+===========+=========+

26. show Munich branch

+==========+===========+=========+

| Account# | Customer# | Balance |

+----------+-----------+---------+

| 0010000| 00000| 1000|

+----------+-----------+---------+

| 0010001| 00001| 2000|

+----------+-----------+---------+

| 0010002| 00002| 1000|

+----------+-----------+---------+

| Total Balance = 4000|

+==========+===========+=========+

27. show New York branch

+==========+===========+=========+

| Account# | Customer# | Balance |

+----------+-----------+---------+

| 0020000| 00000| 1000|

+----------+-----------+---------+

| 0020001| 00001| 3000|

+----------+-----------+---------+

| Total Balance = 4000|

+==========+===========+=========+

28. show Toronto Branch

+==========+===========+=========+

| Account# | Customer# | Balance |

+----------+-----------+---------+

| 0030000| 00000| 1000|

+----------+-----------+---------+

| 0030001| 00003| 5000|

+----------+-----------+---------+

| Total Balance = 6000|

+==========+===========+=========+

29. show all branches

================+=================

| Branch# | Address |

----------------+-----------------

| 000| London|

+----------+-----------+---------+

| Account# | Customer# | Balance |

+----------+-----------+---------+

| 0000000| 00000| 1000|

+----------+-----------+---------+

| 0000001| 00001| 1000|

+----------+-----------+---------+

| 0000002| 00002| 2000|

+----------+-----------+---------+

| Total Balance = 4000|

+==========+===========+=========+

================+=================

| Branch# | Address |

----------------+-----------------

| 001| Munich|

+----------+-----------+---------+

| Account# | Customer# | Balance |

+----------+-----------+---------+

| 0010000| 00000| 1000|

+----------+-----------+---------+

| 0010001| 00001| 2000|

+----------+-----------+---------+

| 0010002| 00002| 1000|

+----------+-----------+---------+

| Total Balance = 4000|

+==========+===========+=========+

================+=================

| Branch# | Address |

----------------+-----------------

| 002| New York|

+----------+-----------+---------+

| Account# | Customer# | Balance |

+----------+-----------+---------+

| 0020000| 00000| 1000|

+----------+-----------+---------+

| 0020001| 00001| 3000|

+----------+-----------+---------+

| Total Balance = 4000|

+==========+===========+=========+

================+=================

| Branch# | Address |

----------------+-----------------

| 003| Toronto|

+----------+-----------+---------+

| Account# | Customer# | Balance |

+----------+-----------+---------+

| 0030000| 00000| 1000|

+----------+-----------+---------+

| 0030001| 00003| 5000|

+----------+-----------+---------+

| Total Balance = 6000|

+==========+===========+=========+

30. deposit $1000 to Smith’s Toronto account

Rolled Back!

Unable to Deposit.

Invalid account.

31. transfer $1000 from Smith’s London account to Toronto account

Rolled Back!

Unable to Transfer.

Invalid account.

32. transfer $1000 from Henry’s Munich account to London account

Transfer succeed.

33. transfer $3000 from Henry’s London account to Jones’ Toronto account

Transfer succeed.

34. transfer $1000 from Adams' London account to Munich account

Transfer succeed.

35. transfer $1000 from Adams' New York account to Toronto account

Transfer succeed.

36. delete Smith as a customer

Customer removed.

37. close all accounts that have balance 0 (Henry’s two account)

Account closed.

Account closed.

38. Show all branches (Henry’s account should be gone)

================+=================

| Branch# | Address |

----------------+-----------------

| 000| London|

+----------+-----------+---------+

| Account# | Customer# | Balance |

+----------+-----------+---------+

| 0000000| 00000| 0|

+----------+-----------+---------+

| 0000001| 00001| 1000|

+----------+-----------+---------+

| Total Balance = 1000|

+==========+===========+=========+

================+=================

| Branch# | Address |

----------------+-----------------

| 001| Munich|

+----------+-----------+---------+

| Account# | Customer# | Balance |

+----------+-----------+---------+

| 0010000| 00000| 2000|

+----------+-----------+---------+

| 0010001| 00001| 2000|

+----------+-----------+---------+

| Total Balance = 4000|

+==========+===========+=========+

================+=================

| Branch# | Address |

----------------+-----------------

| 002| New York|

+----------+-----------+---------+

| Account# | Customer# | Balance |

+----------+-----------+---------+

| 0020000| 00000| 0|

+----------+-----------+---------+

| 0020001| 00001| 3000|

+----------+-----------+---------+

| Total Balance = 3000|

+==========+===========+=========+

================+=================

| Branch# | Address |

----------------+-----------------

| 003| Toronto|

+----------+-----------+---------+

| Account# | Customer# | Balance |

+----------+-----------+---------+

| 0030000| 00000| 2000|

+----------+-----------+---------+

| 0030001| 00003| 8000|

+----------+-----------+---------+

| Total Balance = 10000|

+==========+===========+=========+

39. open an account for Jones in London branch

Account created.

40. show customer Jones (the account # should be the one Henry had)

+===========+==========+==========+=========+

| Customer# | Name | Account# | Balance |

+-----------+----------+----------+---------+

| 00003| Jones| 0000002| 0|

+-----------+----------+----------+---------+

| 00003| Jones| 0030001| 8000|

+-----------+----------+----------+---------+

| Total Balance = 8000|

+===========+==========+==========+=========+

Process finished with exit code 0