Chapter 3
1.1 Questions / Exercises

1) Verify the data from the ACL_Tutorial_Metaphor project for all of the tables in this part of the tutorial.

Acceptable Codes
Command: VERIFY FIELDS CARDNUM CREDLIM CUSTNO EXPDT FINCHG MINPYMTDUE NEWBAL PASTDUEAMT PMTDUEDT PREVBAL RATE STMTDT ERRORLIMIT 10 TO SCREEN
Table: MIS5208_LAB02
--------------------------------------------------------------------------------
0 data validity errors detected

Company Department
Command: VERIFY FIELDS CARDNUM CREDLIM CUSTNO EXPDT FINCHG MINPYMTDUE NEWBAL PASTDUEAMT PMTDUEDT PREVBAL RATE STMTDT ERRORLIMIT 10 TO SCREEN
Table: MIS5208_LAB02
--------------------------------------------------------------------------------
0 data validity errors detected

Employees
Command: VERIFY FIELDS CARDNUM CREDLIM CUSTNO EXPDT FINCHG MINPYMTDUE NEWBAL PASTDUEAMT PMTDUEDT PREVBAL RATE STMTDT ERRORLIMIT 10 TO SCREEN
Table: MIS5208_LAB02
--------------------------------------------------------------------------------
0 data validity errors detected

Unacceptable Codes
Command: VERIFY FIELDS CARDNUM CREDLIM CUSTNO EXPDT FINCHG MINPYMTDUE NEWBAL PASTDUEAMT PMTDUEDT PREVBAL RATE STMTDT ERRORLIMIT 10 TO SCREEN
Table: MIS5208_LAB02
--------------------------------------------------------------------------------
0 data validity errors detected
Credit Card Transactions
Command: VERIFY FIELDS CARDNUM CREDLIM CUSTNO EXPDT FINCHG MINPYMTDUE NEWBAL PASTDUEAMT PMTDUEDT PREVBAL RATE STMTDT ERRORLIMIT 10 TO SCREEN
Table: MIS5208_LAB02

0 data validity errors detected

2) Extract the records with a NEWBAL value greater than 1000 to a new table for later analysis. Submit the results.

Command: COUNT IF NEWBAL > 1000
Table: MIS5208_LAB02
Filter: NEWBAL > 1000 (65 records matched)
If Condition: NEWBAL > 1000 (65 records matched)

65 records counted

3) What is the difference between the total number of transactions and the number of transactions with a NEWBAL greater than 2000? Submit the results?
Command: COUNT IF NEWBAL > 2000
Table: MIS5208_LAB02

If Condition: NEWBAL > 2000 (53 records matched)

53 records counted

200 records – 53 records = 147

4) Of the credit card numbers that have a new NEWBAL value greater than 2000, how many have a PASTDUEAMT greater than zero? Submit the results.

Command: COUNT IF (NEWBAL > 2000) and (PASTDUEAMT > 0)
Table: MIS5208_LAB02
If Condition: $(\text{NEWBAL} > 2000) \text{ AND } (\text{PASTDUEAMT} > 0)$ (12 records matched)

12 records counted

5) Check the Credit_Card_metaphor table for all card numbers with a zero NEWBAL value. Submit the results.
6) Check the Credit_Card_Metaphor table for all card numbers with a negative NEWBAL value. Submit the results.

Command: COUNT IF NEWBAL < 0
Table: MIS5208_LAB02
Filter: NEWBAL < 0 (27 records matched)
If Condition: NEWBAL < 0 (27 records matched)

27 records counted
7) Under the terms of the credit card program, Metaphor can avoid interest charges if employees submit their receipts on time to the accounting department. Metaphor wants to understand how much money it loses unnecessarily from finance charges. Total the FINCHG value that is greater than $10.00. Submit the results.

8) Metaphor wants to know the total of all current balances. In the Credit_Card_Metaphor table, total the NEWBAL field. Submit the results.
9) Metaphor is considering reducing its upper credit limit. How many credit card numbers have credit limits exceeding $10,000? Submit the results.

Command: COUNT IF CREDLIM > 10000.00
Table: MIS5208_LAB02
Filter: CREDLIM > 10000.00 (2 records matched)
If Condition: CREDLIM > 10000.00 (2 records matched)

2 records counted