

Chapter 1: SQL: Introduction

Client Subject Matter and Performance Objectives.....	1-2
SQL - Structured Query Language: The Basics.....	3
SQL Statements.....	4
SQL Commands.....	5
SQL Constraints.....	6
Column Names.....	7
The Resultset.....	8
Language Elements.....	9

Chapter 2: SPUFI

Client Subject Matter and Performance Objectives.....	1-2
SPUFI - Purpose.....	3
SPUFI - Using.....	4
Comments.....	5
SPUFI Panel.....	6
Enter SQL with SPUFI.....	7
INPUT Dataset Name.....	8-9
OUTPUT Dataset Name.....	10
EDIT SQL in SPUFI.....	11
Rules and Recommendations.....	12-13
Process SQL.....	14
Exceed Resource Limit.....	15
AUTOCOMMIT.....	16
Changing SPUFI Defaults.....	17
SPUFI Defaults.....	18
Content of the Messages from SPUFI.....	19-21

Chapter 3: SQL Queries

Client Subject Matter and Performance Objectives.....	1-3
SQL.....	4
Result Table.....	5
Query All Rows and Columns.....	6
SELECT Columns.....	7
SELECT Columns - Example.....	8
Concatenation - Example.....	9
Order of Columns - Examples.....	10
Numeric Fields and Derived Columns - Example.....	11-12
WHERE Clause - Conditional Selection.....	13
SELECT Statement - Example.....	14-15
WHERE Clause: Condition Operation - Example.....	16
SELECT Rows Resultset.....	17
Compound Conditions / Logical Operators.....	18
Compound Conditions / Logical Operators - AND Example.....	19
Compound Conditions / Logical Operators - OR Example.....	20
AND and OR: Combined Logical Operators - Example.....	21

Chapter 5: Grouping Values

Client Subject Matter and Performance Objectives.....	1-2
GROUP BY.....	3-4
GROUP BY Clause Using One Column - Example.....	5
GROUP BY Clause - Null Values.....	6
GROUP BY Clause Using More than One Column - Example.....	7
GROUP BY Clause Using an Expression - Example.....	8
HAVING Clause.....	9
HAVING Clause - Example.....	10
HAVING with a GROUP BY.....	11
HAVING with a GROUP BY - Example.....	12
HAVING with a GROUP BY.....	13

Chapter 6: Join Operations

Client Subject Matter and Performance Objectives.....	1-2
Joins and Keys.....	3
Joining Data from More than One DB2 Table.....	4
Join Types.....	5
Sample Tables.....	6
Outer Joins.....	7
Inner Join.....	8-9
Caution on Join.....	10
Complex Join - Example.....	11-12
Joining a Table to Itself by Using an Inner Join.....	13
Joining a Table to Itself by Using an Inner Join - Example.....	14
Full Outer Join.....	15
Full Outer Join - Example.....	16
Left Outer Join.....	17
Left Outer Join - Example.....	18
Right Outer Join.....	19
Right Outer Join - Example.....	20

Chapter 7: Unions and Subquery

Client Subject Matter and Performance Objectives.....	1-2
UNION.....	3
Using UNION to Eliminate Duplicates.....	4
Using UNION to Eliminate Duplicates - Example.....	5
UNION ALL to Keep Duplicates.....	6
UNION ALL to Keep Duplicates - Example.....	7
Subquery.....	8
Subquery - Example.....	9
Correlated and Uncorrelated Subqueries.....	10
Subqueries and Predicates.....	11
Result Table from a Subquery.....	12
Result Table from a Subquery - Example.....	13
Subquery Predicate - Basic.....	14
Subquery Predicate - Basic - Example.....	15

AND and OR.....	22-23
ORDER BY.....	24
Sort Key.....	25-26
ASC and DESC.....	27
ORDER BY Clause: Expressions in Sort Key.....	28
Expressions in Sort Key - Example.....	29
AS Clause - Referencing Derived Columns.....	30
AS Clause - Example.....	31
ORDER BY Clause - Sort the Data.....	32
ORDER BY - Example.....	33
IN and BETWEEN Operator.....	34-35
BETWEEN Predicate.....	36-37
BETWEEN - Example.....	38
IN Predicate.....	39
IN Predicate - Example.....	40
IN Example.....	41
Alias.....	42
LIKE.....	43
LIKE pattern-expression.....	44
Pattern.....	45
LIKE Example.....	46-47
SELECT Statement / DISTINCT Keyword.....	48

Chapter 4: Scalar Functions and Arithmetic

Client Subject Matter and Performance Objectives.....	1-3
Function Syntax.....	4-5
Aggregate Functions.....	6-7
AVG Function.....	8-9
AVG Function - Example.....	10
COUNT Function.....	11
COUNT Function - Example.....	12
MAX and MIN Functions.....	13
MAX and MIN Function - Example.....	14
Scalar Function.....	15
Scalar Function - Example.....	16
ABS Function.....	17
ABS Function - Example.....	18
CHAR Function.....	19
CHAR Function - Example.....	20-22
COALESCE Function.....	23
COALESCE Function - Example.....	24
DATE Function.....	25
Related DATE Functions.....	26-27
LOWER and UPPER Functions.....	28
LTRIM and RTRIM Functions.....	29
REPEAT Function.....	30
REPEAT Function - Example.....	31
SUBSTR Function.....	32
SUBSTR Function - Example.....	33

Chapter 8: Updating DB2 Tables

Client Subject Matter and Performance Objectives.....	1-3
INSERT INTO Statement.....	4-5
Column Values.....	6
Single Row - Inserting.....	7
INSERT Statement - Guideline.....	8
INSERT INTO Example.....	9
Rows - Inserting Rows from Another Table - Example.....	10
UPDATE Statement.....	11
UPDATE Statement - Example.....	12
UPDATE SET Clause.....	13
Update with a SELECT - Example.....	14
DELETE Statement.....	15
DELETE Statement: Deleting Rows.....	16
DELETE Statement: Deleting All Rows.....	17
Error Checking.....	18

Chapter 9: COBOL and Java Data Types

Client Subject Matter and Performance Objectives.....	1-2
Java and COBOL Data Types.....	3
Object-oriented COBOL for Java Interoperability.....	4-5