



生命河基金會技術服務組 技術培訓

Oracle Advanced SQL

For more details , visit www.theriverflows.org or TSG at www.theriverflows.org/tsg



Course Outline:

- Grouping and Aggregating Data Using SQL
- Analyzing and Reporting Data Using SQL
- Modeling Data Using SQL
- Hierarchical Retrieval
- Analyzing Data Using Regular Expressions

Time

7:15pm to 9:45 pm
5/19, 26, 6/2,9,14, 16

Place

Room G10 in ROLCC
1177 Laurelwood Road

Registration Fee
\$75

About the Instructor : John Min (Sr. Oracle DBA)

Solid Oracle database and RAC knowledge with over 10 years of working experience. Excellent database architecture knowledge with 8 years of hands on project experience. Great consulting experience in database design, database and application performance tuning and system integrations. Rich industrial domain knowledge includes financial industry, logistic, software house, manufacture, government, telecommunication, etc.

Course Objectives:

- Create a tree-structured report, format hierarchical data, and exclude branches from the tree structure
- Identify the benefits of using regular expressions
- Use the regular expressions and subexpressions functions
- Identify the benefits of using Analytic SQL
- Review the available SQL for aggregation operators, SQL for Analysis and Reporting functions, and the SQL for Modeling using the SQL MODEL clause
- Group and aggregate data using the ROLLUP and CUBE operators, the GROUPING function, Composite Columns, and the Concatenated Groupings
- Analyze and report data using Ranking functions, the LAG/LEAD functions, and the PIVOT and UNPIVOT clauses
- Use the MODEL clause to create a multidimensional array from query results and then apply formulas to this array to calculate new values
- Interpret the concept of a hierarchical query, create a tree-structured report, format hierarchical data, and exclude branches from the tree structure