Posh Techno Skills

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CONC: COURSE SCHEDULE   24TH January 2013

Database (Oracle paper 051) training in Arusha

The course will include:
1) Retrieving Data Using the SQL SELECT Statements
    i.   List capabilities of SQL SELECT statements
    ii.   Execute a basic SELECT statement
2) Restricting and Sorting Data
    i.   Limit the rows that are retrieved by a query
    ii.   Sort the rows that are retrieved by a query
    iii. Use ampersand substitution to restrict and sort output at runtime
3) Using Single – Row Functions to Customize Output
    i.   Describe various types of functions available in SQL
    ii.   Use character, number, and date functions in SELECT statements
4) Using Conversion Functions and Conditional Expressions
    i.   Describe various types of conversion functions that are available in SQL
    ii.   Use the TO_CHAR, TO_NUMBER and TO_DATE conversion functions.
    iii. Apply conditional expressions in a SELECT statement
5) Reporting Aggregated Data Using the Group Functions
    i.   Identify the available group functions
    ii.   Describe the use of group functions
    iii. Group data by using the GROUP BY clause
    iv.   Include or Exclude grouped rows by using the HAVING clause
6) Displaying Data from Multiple Tables
    i.   Write SELECT statements to access data from more than one table using equijoins and
    ii.   no equijoins.
    iii. Join a table to it by using a self-join
    iv.   View data that generally does not meet a join condition by using outer joins
    v.   Generate a Cartesian product of all rows from two or more tables.
7) Using Sub queries to Solve Queries
    i.   Define sub queries
    ii.   Describe the types of problems that the sub queries can solve
    iii. List the types of sub queries
    iv.   Write single-row and multiple-row sub queries
8) Using the Set Operators
    i.   Describe set operators

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    ii.   Use a set operator to combine multiple queries into a single query.
    iii.   Control the order of rows returned

9) Manipulating Data
    i.   Describe each data manipulation language (DML) statement
    ii.   Insert rows into a table
    iii.   Update rows in a table
    iv.   Delete rows from a table
    v.   Control Transactions

10) Using DDL Statements to Create and Manage Tables
    i.   Categorize the main database objects
    ii.   Review the table structure
    iii.   List the data types that are available for columns
    iv.   Create a simple table
    v.   Explain how constraints are created at the time of table creation
    vi.   Describe how schema objects work

11) Create Other Schema Objects
    i.   Creating simple and complex views
    ii.   Retrieve Data from views
    iii.   Create, maintain, and use sequences
    iv.   Create and maintain indexes
    v.   Create private and public synonyms.

**80 – 90% of what you are going to learn here applies to other RDBMS.
The following is how we have organized the Training based on the above contents:**

Day – 1
Course Introduction – 20 minutes
About SQL – 42 minutes
Retrieving Data by Using the SELECT statements – 40 minutes
Practices
Day - 2
Restricting and Sorting Data – 40 minutes
Practices
Day – 3
Using Single Row functions to customize output – 40 minutes
Practices
Day – 4
Reporting Aggregate Data using the Group Functions – 40 minutes

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Practices
Day – 5
Test I
Day – 6
PL/SQL Basics – 40 minutes
Practices
Day – 7
Displaying Data from Multiple Tables – 40 minutes
Practices
Day – 8
Using Sub Queries – 30 minutes
Using Set Operators - 30 minutes
Practices
Day – 9
Using DDL Statements to Create and Manage Tables - 50 minutes
Practices
Day – 10
Test II
Day – 11
Create other schema objects part I – 30 minutes
Create other schema objects part II – 30 minutes
Practices
Day – 12
Manipulating Data Part 1 – 30 minutes
Manipulating Data Part II – 30 minutes
Practices
Day – 13
Basic Oracle Database Security – 40 minutes
Practices
Day – 14
Accessing the Data Dictionary – 30 minutes
Referencing the Oracle Documentation – 30 minutes
Practices
Day – 15
Test III
Day – 16
Using Oracle Flash Back Queries 30 minutes
Query Optimization Basics – 30 minutes
Practices

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Day – 17
Course Review
Day – 18
Final Internal Exam
Day - 19
International Exam Review Part I
Day – 20
International Exam Review Part II
End of Session I

Come learn with the experts the technical and professional elements about Oracle Database Administration with Linux Platfom

Aim: After completing this course, you will be ready to attempt Oracle Certified Associate (OCA) paper 051

The course will be conducted in the evening hours (16:00 – 19:30) from Monday to Friday. Saturday can be utilized for extra practices for those who will have time.

The course consumes almost 40 hours. This means for 2 or 3 hours a day, it will be conducted for 20 days for 2 hours per day or 14 days for 3 hours per day.

Note: *if you would need in full time basis, please indicate, so that we can arrange for you and it will only be for one week with 8 hrs per day which is convenient for those coming from out of Arusha region but it will be in March/April*
Target group
The course is geared toward people who have basics of networking and computer maintenance and are in need of enhancing their skills and knowledge to become System/Network Administrators/system analyst and even system managers.

Key trainers.
The trainers are highly skilled in Oracle, Ms SQL server, MySQL etc DBMS, Ms Network environment and Active Directory Infrastructure, Linux , with long practical hands –on experience.
We would be pleased and honored if you would consent to our invitation and join us in this effort.

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Note: In July 16th to 23rd we had a very special event called IT Boot Camp where we received participants from different organization such as COSTECH, WORLDVISION TZ, TASAF, etc and were trained CCNA, AND LINUX+. So should you also requires training in those areas, you can as well send us an email showing your target area or even out of the mentioned ones too

Email us or call us to reserve your chance.

Yours sincerely

Posh Techno Skills.

THE COST FOR THE TRAINING WILL BE $500 ONLY.