Project Document

SQL Training Project

Created by InfoCepts

Version	Date	Modified By	Summary of Changes
1.0	01/10/2017	Mandaar Mantri	Created
1.1	05/06/2017	Suvrat Rai	Reviewed document
1.2	22/02/2017	Shraddha Bhattad	Updated as per BCTFEB18 Bootcamp

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1. Introduction

- The intent of program document is to provide all the details for the SQL project
- SQL training project will acquaint trainees with participating and enhancing their SQL skills by querying the AdventureWorks databases. It will also give them experience on querying real databases and creating related documents
- The queries have been divided into **Beginners**, **Intermediate** and **Complex** Levels. 25 Questions on Adventure works in total
- This program document is meant for trainees

2. Intended Audience

- SQL Project Trainee

3. Training Schedule

Associates (Full Time)

Day	Task	Inputs	Deliverables
Day 1	Q Nos. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10	Exercise Document	SQL Queries
Day 2	Q Nos. 11, 12, 13, 14, 15, 16, 17, 18	Exercise Document	SQL Queries
Day 3	Q Nos. 19, 20, 21, 22, 23, 24, 25	Exercise Document	SQL Queries

4. Deliverables

4.1 Answers
Answers would be a well formatted office word document with the questions along with the answers

4.2 SQL Queries
Trainees will deliver in a text document the solution SQL query fired against database. These queries will then be run in SQL Server Management Studio 2012 and obtained results verified with the original available results
Trainees also need to deliver an excel document having result sets of the queries

4.3 List of Questions
List of Question would be a simple mail containing any questions trainees have on the schema. The answers to these will be discussed at the end of the same day after 5pm

5. Evaluation Criteria

This section describes the Evaluation Criteria for the SQL Project – AdventureWorks

Day	Deliverables Inputs		Marks
2	SQL Queries Beginners Q No (1,2,3,4,5)	(5 x 4 marks each)	20
3	SQL Queries Intermediate	(8 x 6 marks each)	48

	Q No (6,7,8,9,10,11,12,13)		
4	SQL Queries Complex (5 x 8 marks each) Q No (14,15,16,17,18)		40
5	SQL Queries DML (7 x 6 marks each) Q No (19,20,21,22,23,24,25)		42
6	TOTAL		150

6. Important Documents

1. **AdvWorks SQL Questions and Output Document**
   This document contains the question and expected output. It should be given to the trainees and they have to match the results of reach query with the given output in this file.

2. **AdvWorks Project Orientation Document**
   This document contains the project introduction and business terms definitions for the Adventure works Project.

3. **AdvWorks Schema Questions**
   This document contains the theory questions on Adventure Works Schema. Trainees have to answers the questions and while doing so if they come up with any questions they have to consult their trainer/mentors.

4. **AdvWorksOLTPSchemaVisio**
   Visio document of Adventure Works OLTP Schema

5. **AdvWorks Template**
   The template files for all the deliverables

7. Environment

Data warehouse: SQL Server
Restore the Adventure Works database backup file provided to you at your local servers. Access this DB and fire queries against this database.

8. Pre-requisites

1. SQL Server Management Studio 2012
2. MS Visio Viewer (For Schema)
3. Knowledge of SQL

9. Instructions

1. All trainees need to work individually

2. On Day 1, trainees have to study the schema and answer the schema questions given to them. They should list out any questions they have any and send it to the trainer. The trainer with the help of project development team can answer these questions in a session.
3. From first day, trainees have to start solving the SQL questions. The answers should be a query generating the given output
4. In all there are 25 SQL questions
5. The questions are divided into **Beginner**, **Intermediate**, and **Complex** Level. The marking will be done accordingly
6. The DML statement should be executed on a copy of the tables and not the original tables
7. At end of the project trainees should submit all the deliverables in the given format