

Business Analytics

- Report Studio - IBM Cognos - Create Query Models

Med. AMNAI

Filière Master Cloud BIG DATA

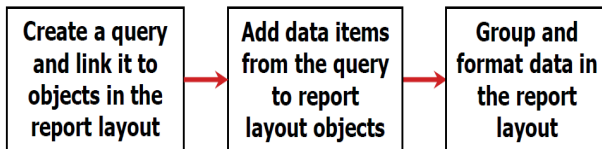
Département d'Informatique

Objectives

- Build query models and then connect them to the report layout ;
- Edit an SQL statement to author custom queries ;
- Add filters and prompts to a report using the query model ;

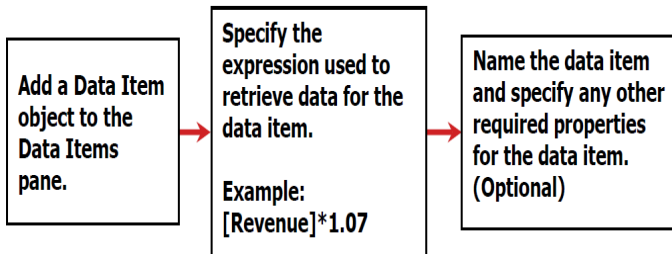
Create Queries Manually

Process to create a query manually and then create reports using the query.



Add Calculated Data Items to Queries

- If the package you are using does not contain the data you require, you can create a calculated data item that will retrieve the required data.
- Process to add a calculated Data Item to a query.



Demo : Build a query and connect It to a Report

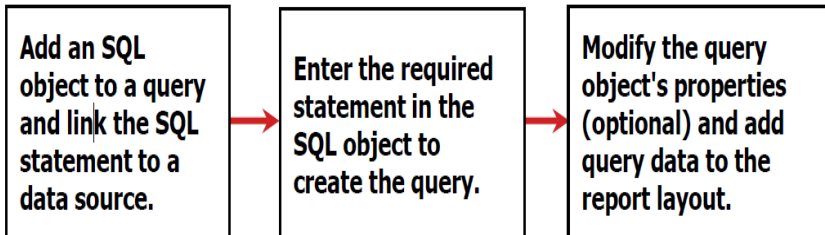
Demo -TP25 : Build a query and connect It to a Report

Product line	Product type	Revenue	Projected Revenue
Camping Equipment	Cooking Gear	272,835,984.18	291,934,503.0726
	Lanterns	126,925,660.64	135,810,456.8848
	Packs	351,880,402.84	376,512,031.0388
	Sleeping Bags	309,172,888.35	330,814,990.5345
	Tents	528,221,728.02	565,197,248.9814
Camping Equipment - Total		1,589,036,664.03	1,700,269,230.5121

Create Custom Queries Using SQL

- You can create a SQL query statement that retrieves the data you require.
- You must specify the data source from which the query will retrieve data.

Process to Create a Custom Query Using SQL or MDX

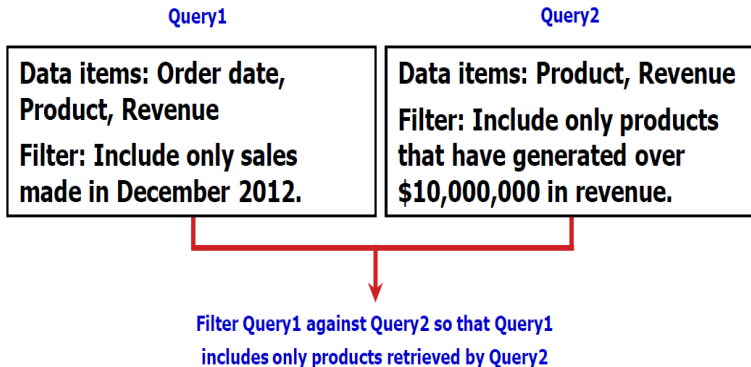


Demo : Create a Report using an SQL Statement

Demo - TP 26 : Create a Report using an SQL Statement

Year: 2010		
Product Type	Product Name	Average Forecasted Cost
Binoculars	Opera Vision	51.08
	Ranger Vision	83.09
	Seeker 35	79.72
	Seeker 50	103.37
	Seeker Extreme	81.91
	Seeker Mini	45.46
Binoculars - Average		74.105
Cooking Gear	TrailChef Canteen	6.17
	TrailChef Cook Set	34.99

Filter Query Data Against Data in a Separate Query



Demo : Answer a Business Question

Demo - TP 27 : Answer a Business Question by Referencing Data in a Separate Query

834905	Zone	755.55	23
834905 - Total		755.55	23
834922	Zone	1,790.1	54
834922 - Total		1,790.1	54
Overall - Total		9,451,826.18	165,443

Demo : Filter Data Using the Query Model

Demo - TP 28 : Filter Data Using the Query Model

Retailer name	Product	Revenue
Alles für Draußen	Hibernator Lite	24,641.88
	Star Dome	26,309.12
	TrailChef Kettle	10,679.06
Alles für Draußen - Total		61,630.06
Baxters Pro Shop	BugShield Extreme	37,065.14
	Glacier GPS	21,836.27
	Seeker 50	14,244.78
Baxters Pro Shop - Total		73,146.19
Boot Camp Equipment	Capri	48,989.6