Analysis Process Designer (APD): Part - 2

Applies to:

SAP NetWeaver Business Warehouse (Formerly BI), Will also work on SAP BI 3.5. Business Intelligence homepage.

Summary

This article gives clear picture about how to down load the data using Report into .CSV file, sorting the data and how to use Formulas in Analysis Process Designer in SAP-BW/BI. Read here Part 1

Author: Surendra Kumar Reddy Koduru

Company: ITC Infotech India Ltd. (Bangalore/INDIA)

Created on: 14 December 2009

Author Bio

Surendra Kumar Reddy Koduru is a SAP BI Lead Consultant currently working with ITC Infotech India Ltd (Bangalore/INDIA). He has got rich experience and worked on various BW/BI implementation/Support projects.

© 2009 SAP AG

Table of Contents

Introduction: 3
Live Scenario: 3
Steps: 3
Step: 1 3
Step: 2 4
Step: 3 6
Step: 4 9
Step: 5 10
Step: 6 10
Step: 7 11
Result: 13
Report Designer: 13
Report Out Put: 13
File Data 13
Related Content 15
Disclaimer and Liability Notice 16

© 2009 SAP AG

Introduction:

The Analysis Process Designer (APD) is a workbench with an intuitive graphical user interface for creating, executing, and monitoring analysis processes. The analysis process is primarily based on data that was consolidated in the Data Warehouse and that exists in InfoProviders.

Analysis processes (APD) can be created on a graphical user interface using drag and drop. Data from different data sources in the BI system can be combined, transformed, and prepared for analysis in several individual steps. This allows it to be resaved in data targets in the BI system (DataStore objects for direct update or InfoObjects with attributes) or in CRM system.

Live Scenario:

I have one report in BW/BI and want to execute and download the data into Desktop or Application Server in .CSV format. Before downloading the report result, I want to do some calculation which is not there in Actual Report.

Here I'm saving the file in Desktop.

I have the following Characteristics InfoObjects and Key figure InfoObjects in Report.

Material = 0MATERIAL

Batch = 0BATCH

Calendar Day = 0CALDAY

Amount = 0AMOUNT

But before downloading the data into .CSV file, I want to add one field i.e. Amount * 10 (Multiplication of the Amount with 10) and also want to Sort the data in Descending Order based on Amount.

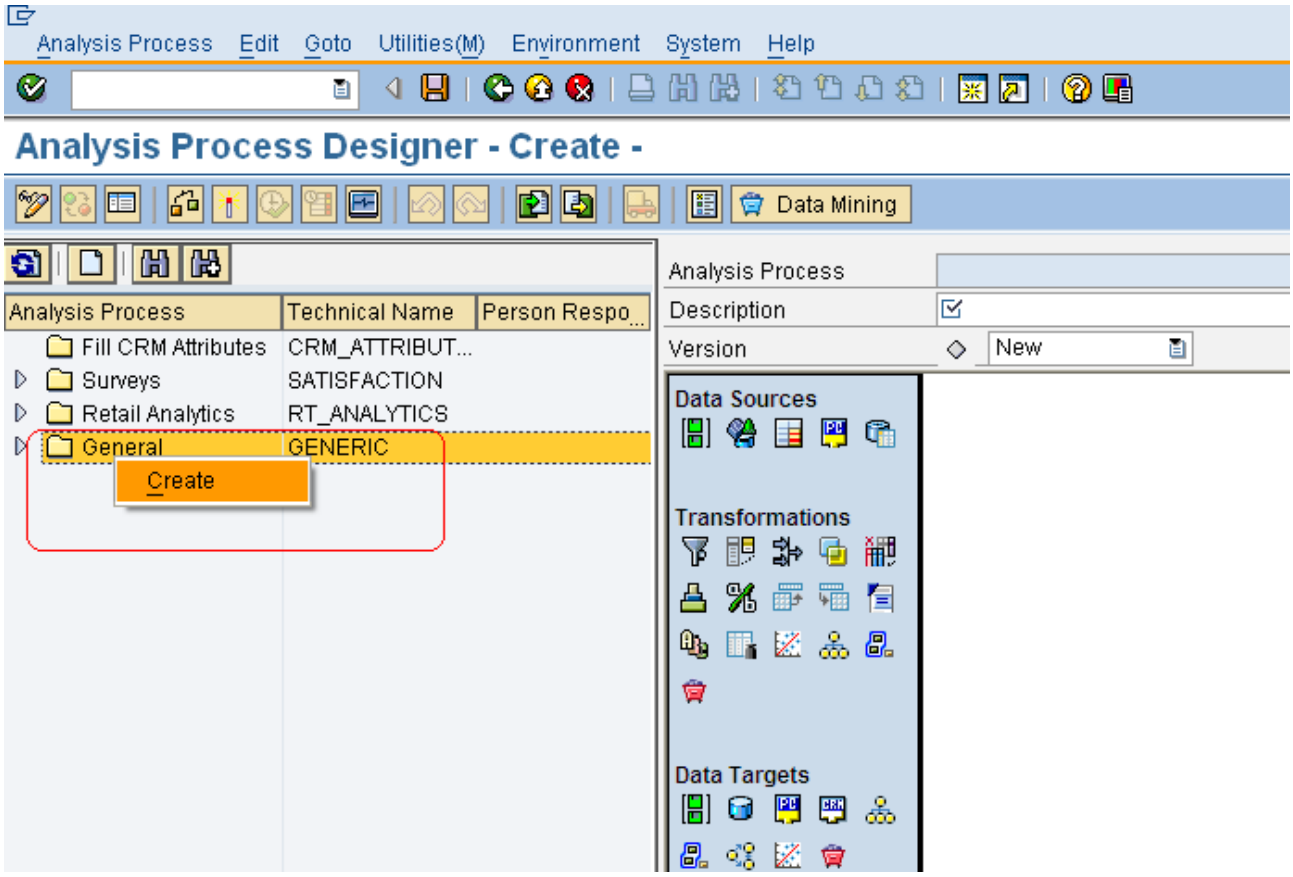
Steps:

Follow the following simple steps.

Step: 1

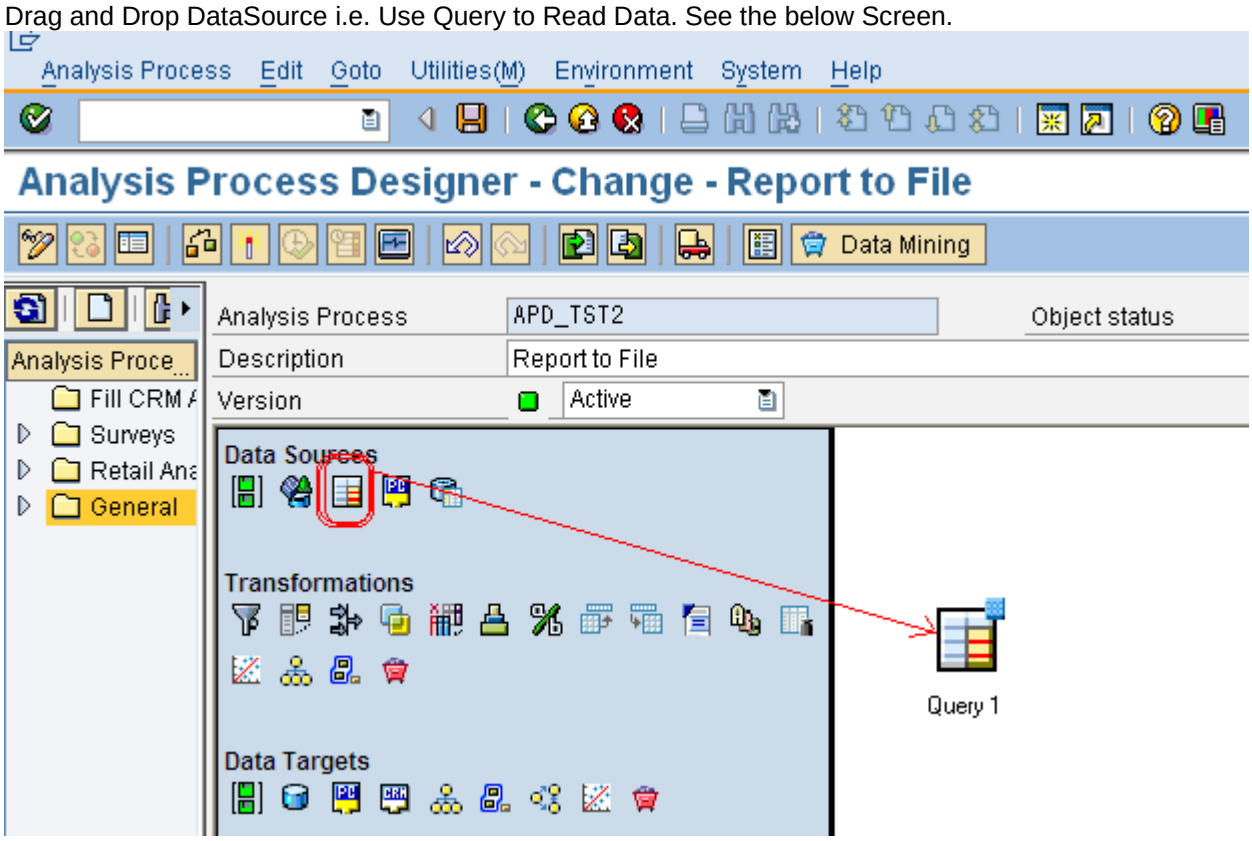
Go to **RSANWB** Transaction code and create new Analysis Process.

© 2009 SAP AG



Step: 2

Drag and Drop DataSource i.e. Use Query to Read Data. See the below Screen.

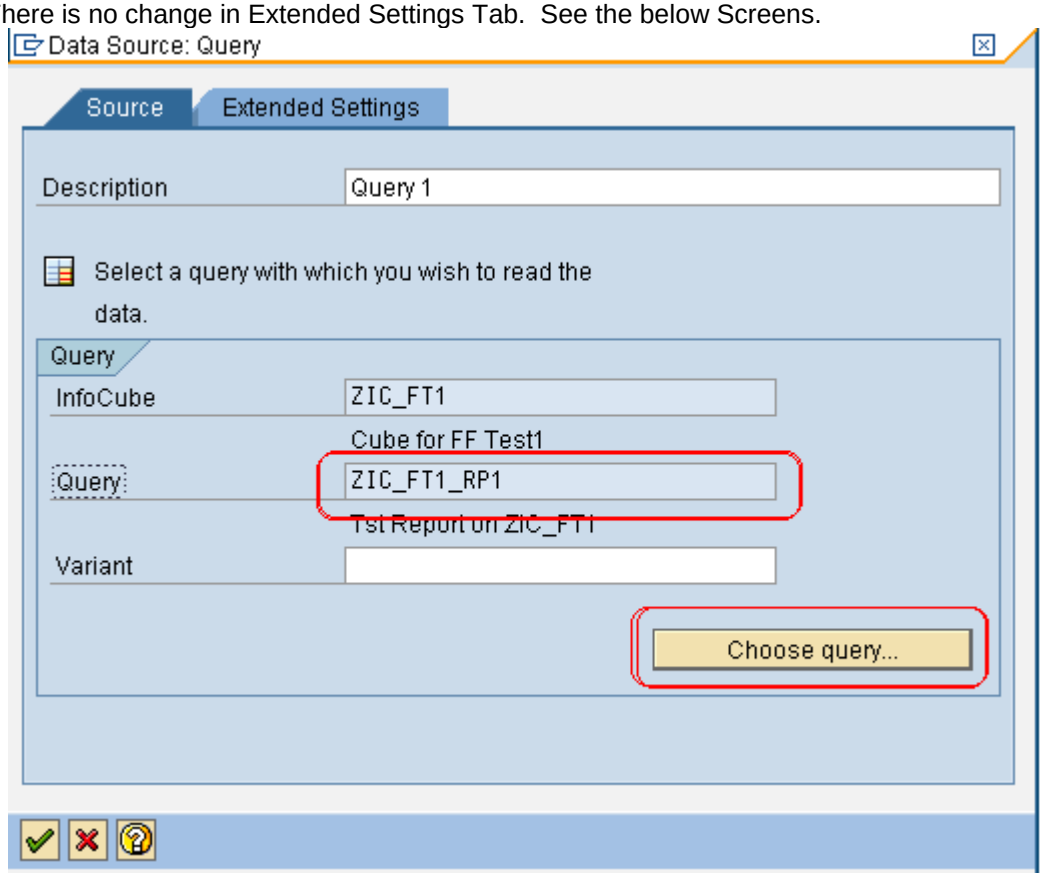


© 2009 SAP AG

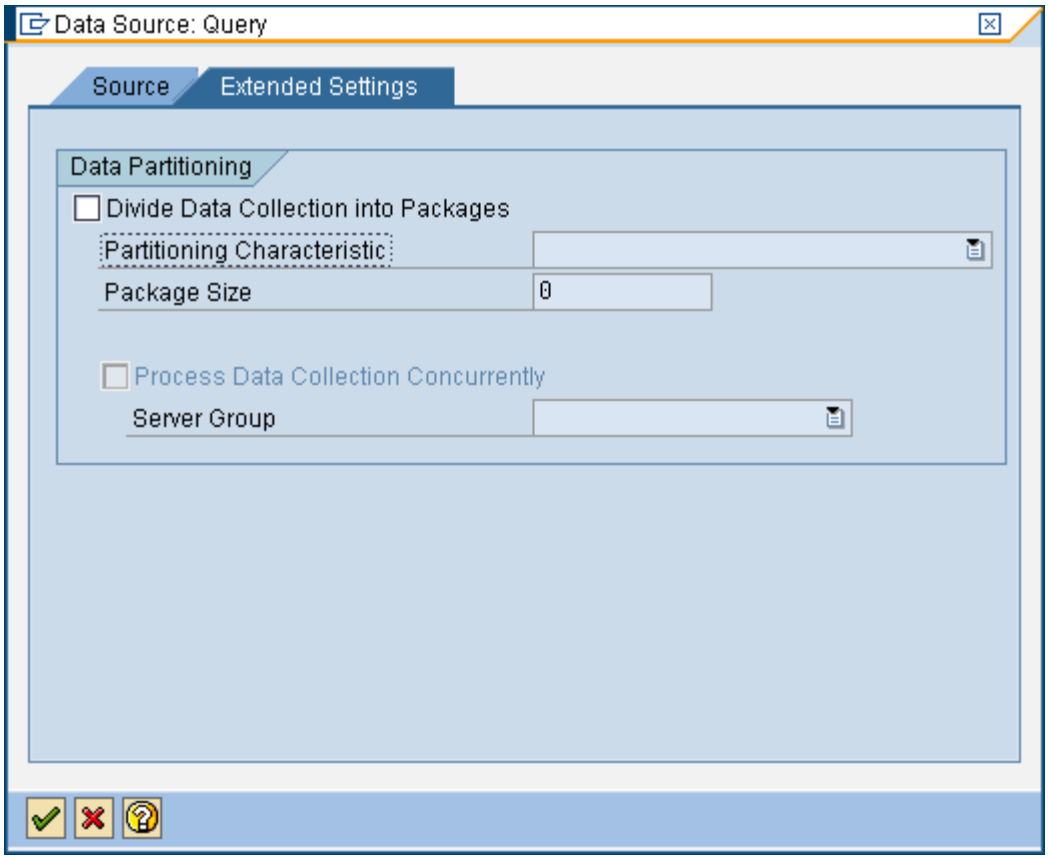
Double Click on Query 1 and Query Technical Name (use F4 help).

Click on Choose Query and select the Report name in Source Tab.

There is no change in Extended Settings Tab. See the below Screens.



© 2009 SAP AG

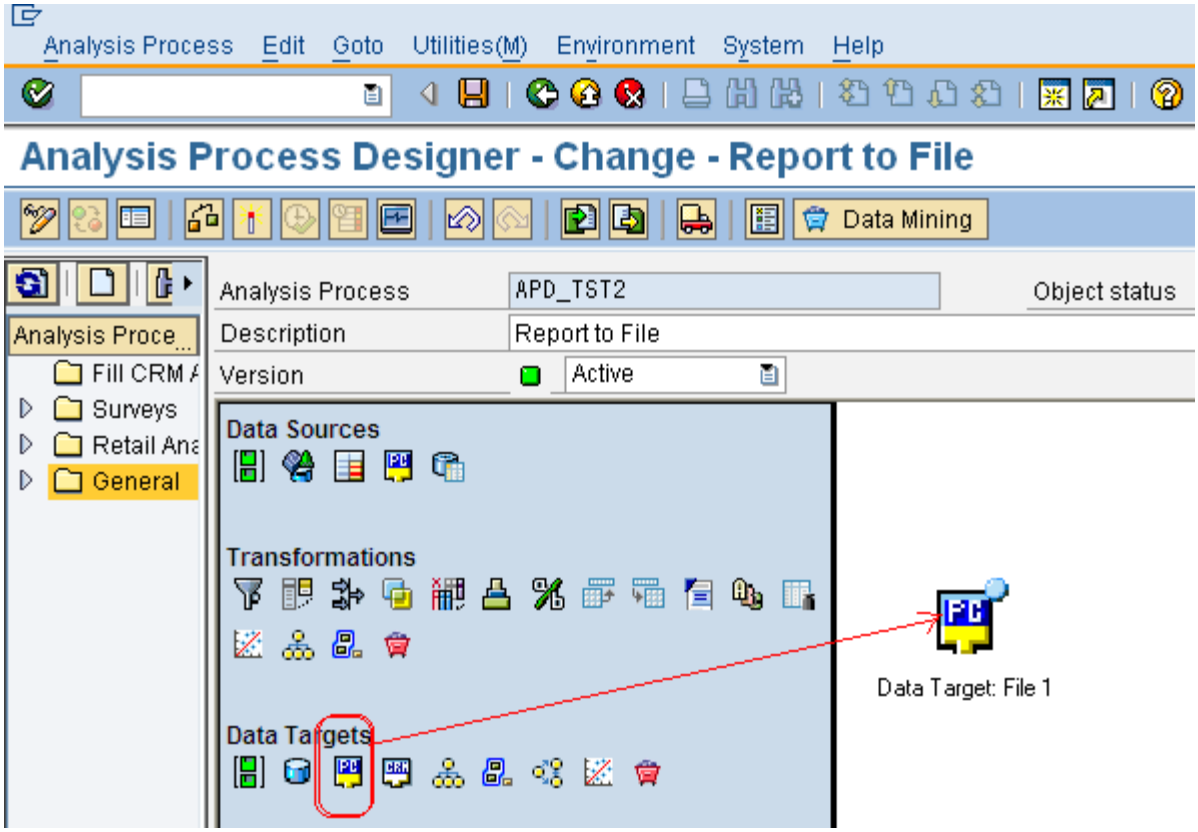


Step: 3

Click on Write Data to File in Data Targets and set the Properties like below.

See the below Screen.

© 2009 SAP AG



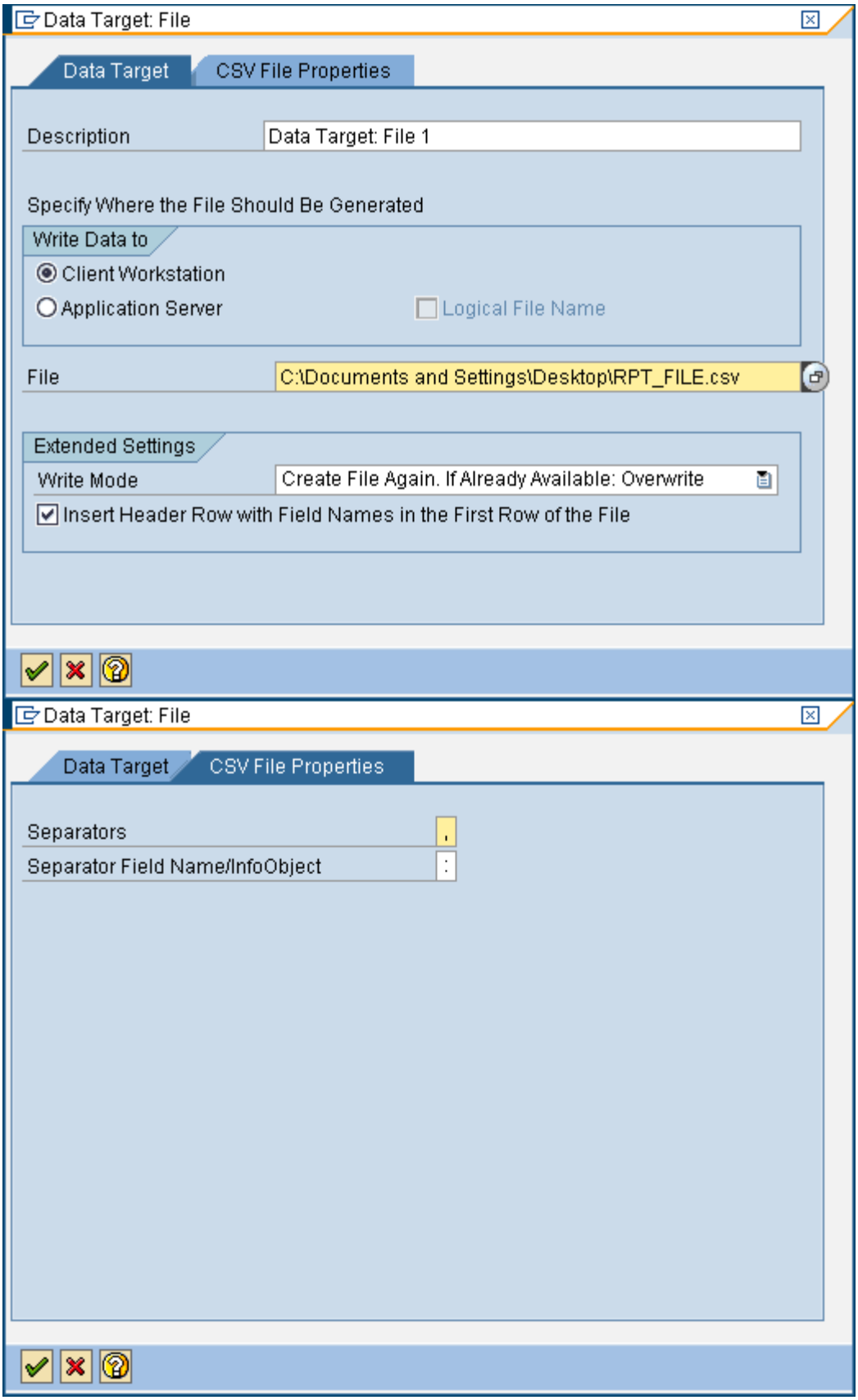
Select Specify Where the File Should Be Generated is Client Work Station.

Write Mode is Overwrite and check Insert Header Row option, in Data Target Tab.

Set the Separators and Separator Field Name/InfoObject in CSV File Properties Tab.

See the below Screens.

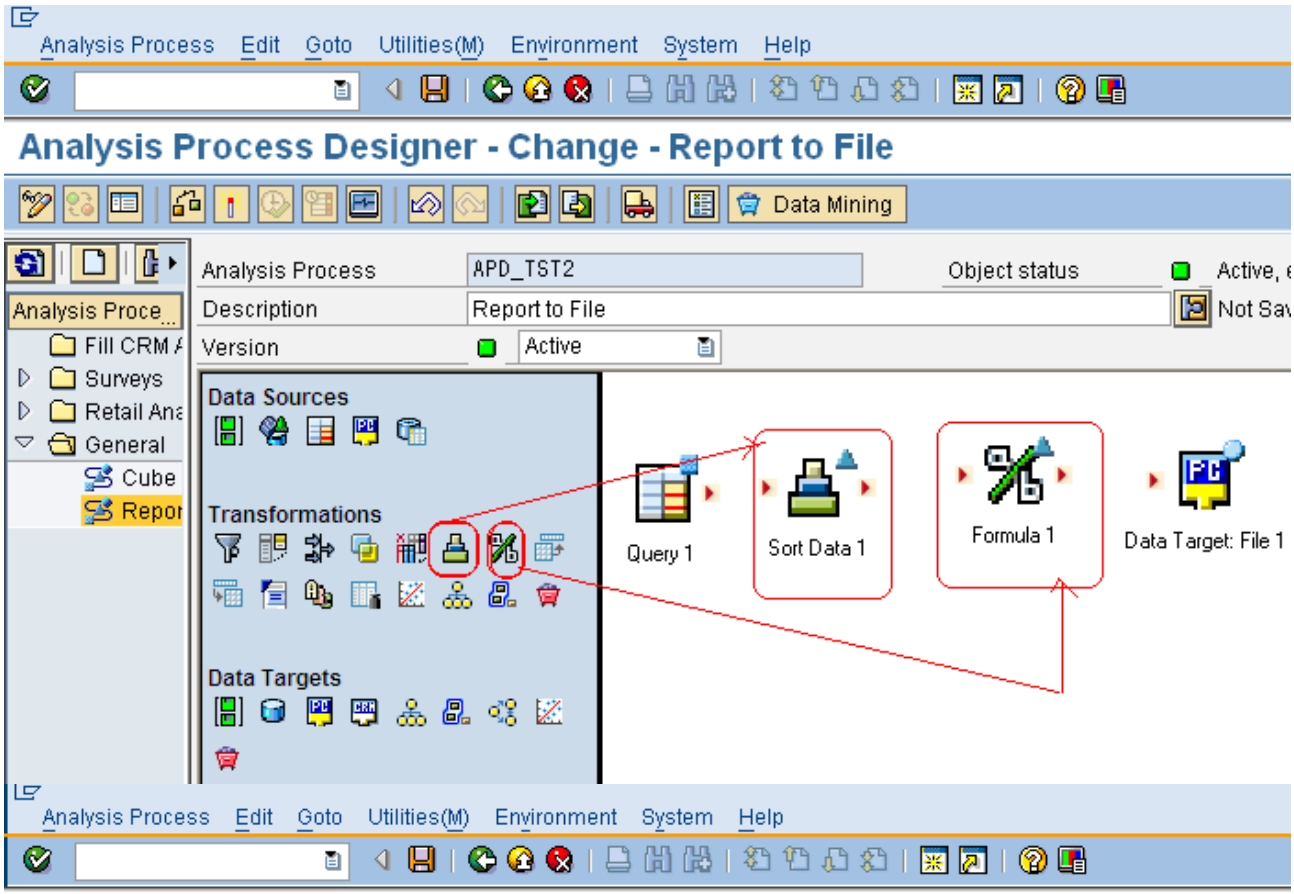
© 2009 SAP AG

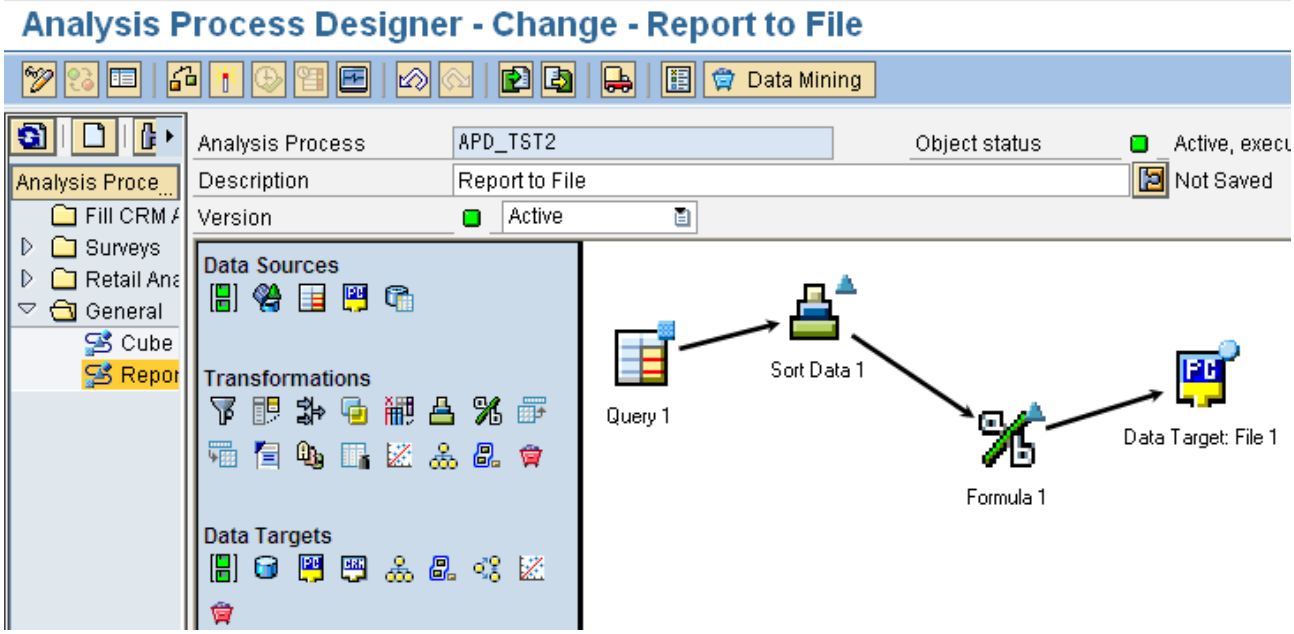

Data Target: File
Data Target
CSV File Properties
Description
Data Target: File 1
Specify Where the File Should Be Generated
Write Data to
Client Workstation
Application Server
Logical File Name
File
C:\Documents and Settings\Desktop\RPT_FILE.csv
Extended Settings
Write Mode
Create File Again. If Already Available: Overwrite
Insert Header Row with Field Names in the First Row of the File
Data Target: File
Data Target
CSV File Properties
Separators
,
Separator Field Name/InfoObject
:

© 2009 SAP AG

Step: 4

Click on Sort and Formula in Transformations and create a link in between all these four Objects.



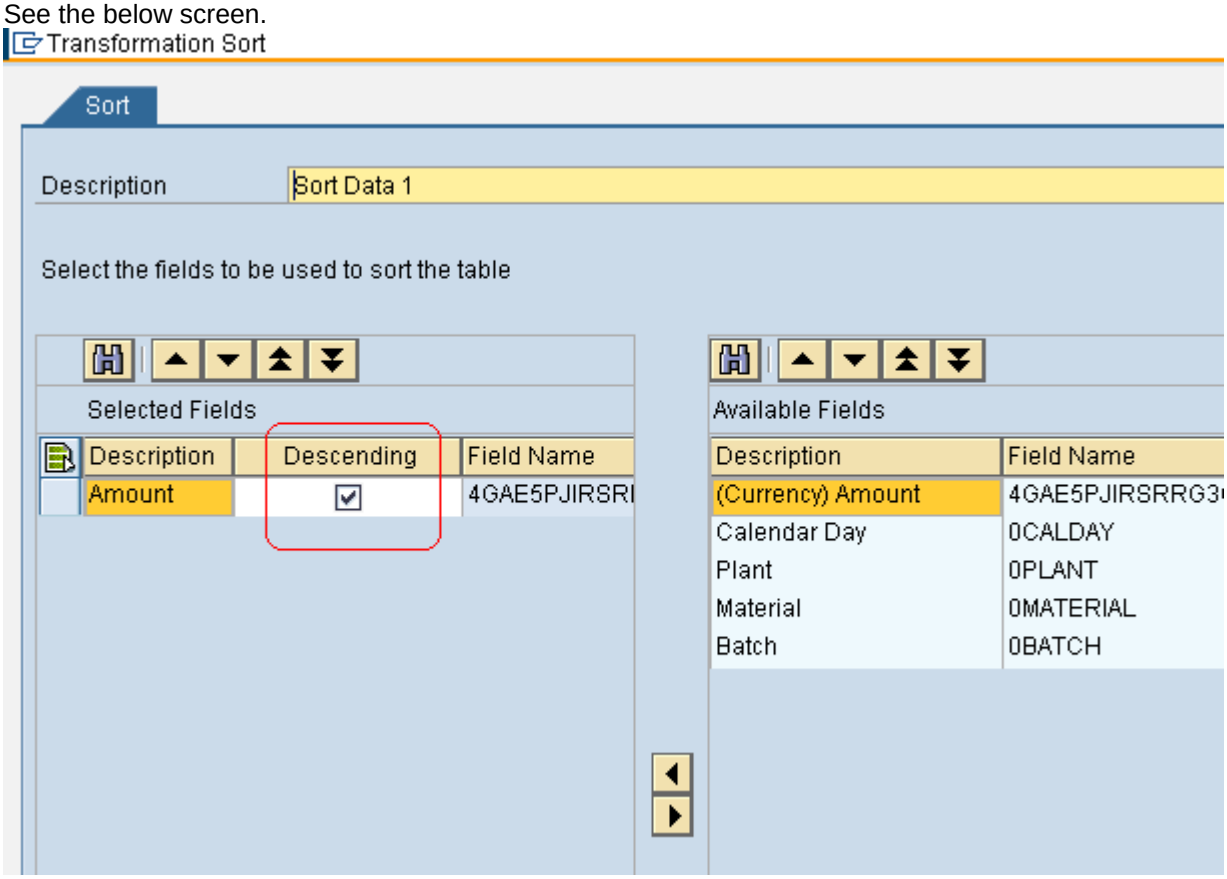


© 2009 SAP AG

Step: 5

Set the Properties of Sort Data 1, select the Amount from Available Fields and bring it to Selected Fields, and select Descending option. Because we want to sort the data based on Amount in Descending Order.

See the below screen.



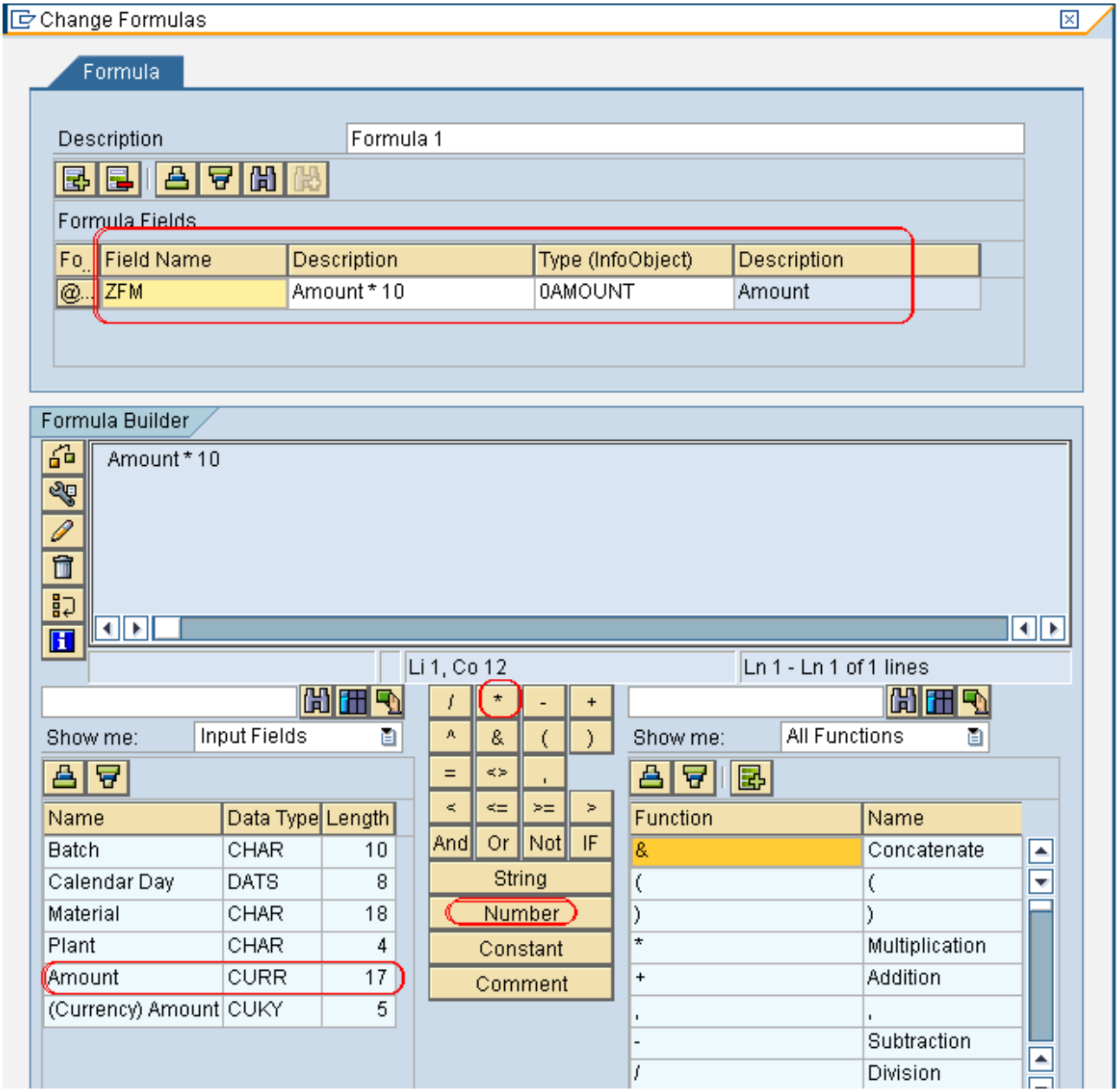
Step: 6

Set the Properties of Formula 1.

Add ZFM field give description and select Type (InfoObject) is 0AMOUNT and Multiply Amount with 10.

See the below screen.

© 2009 SAP AG

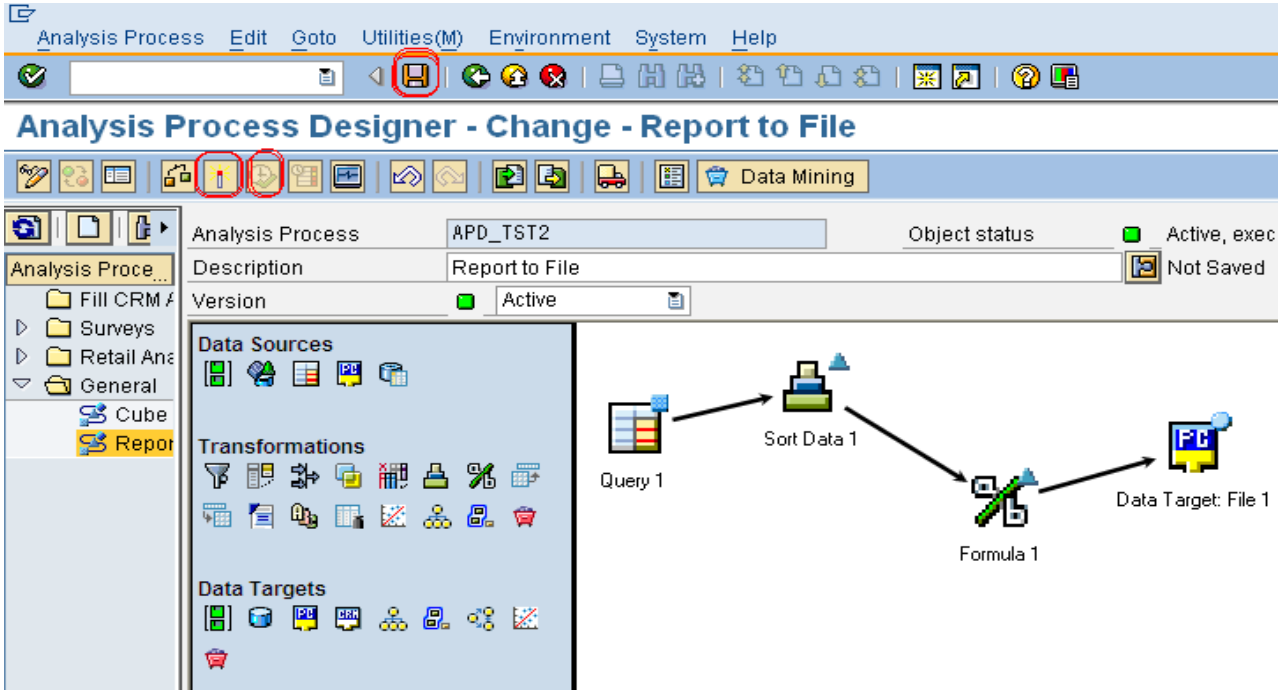


Use Number, * and Amount and do the calculation. I marked the required components in red circle.

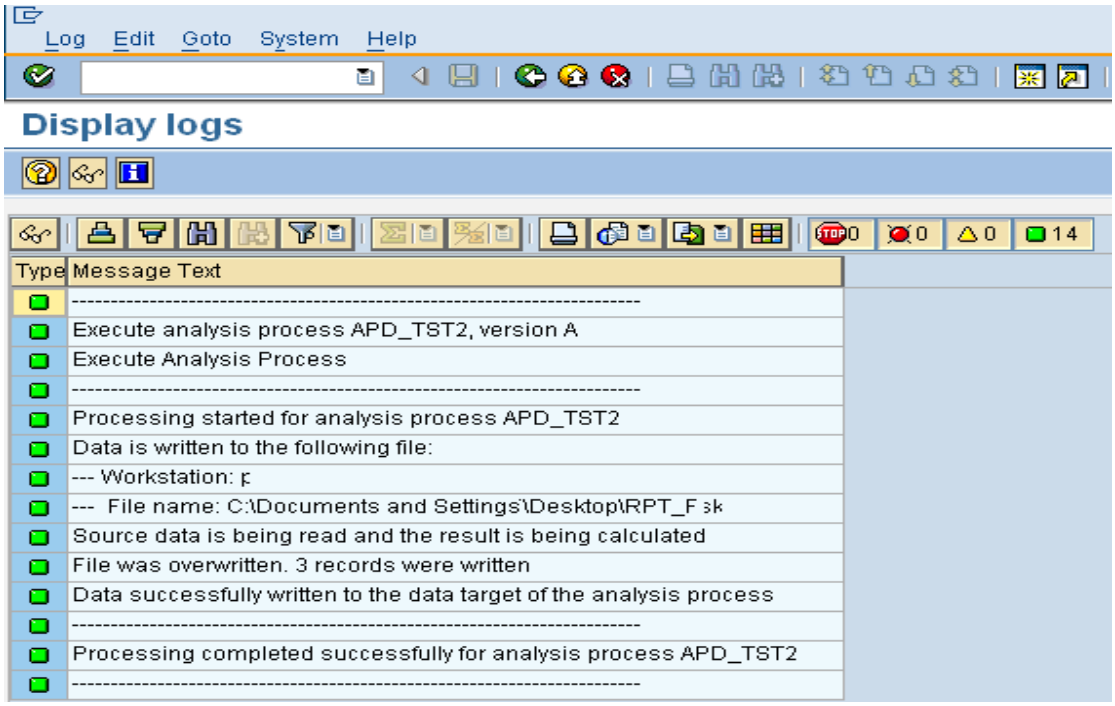
Step: 7

Then Save, Activate and Execute.

© 2009 SAP AG



Once you execute it, it will display the following screen with Success Symbol.

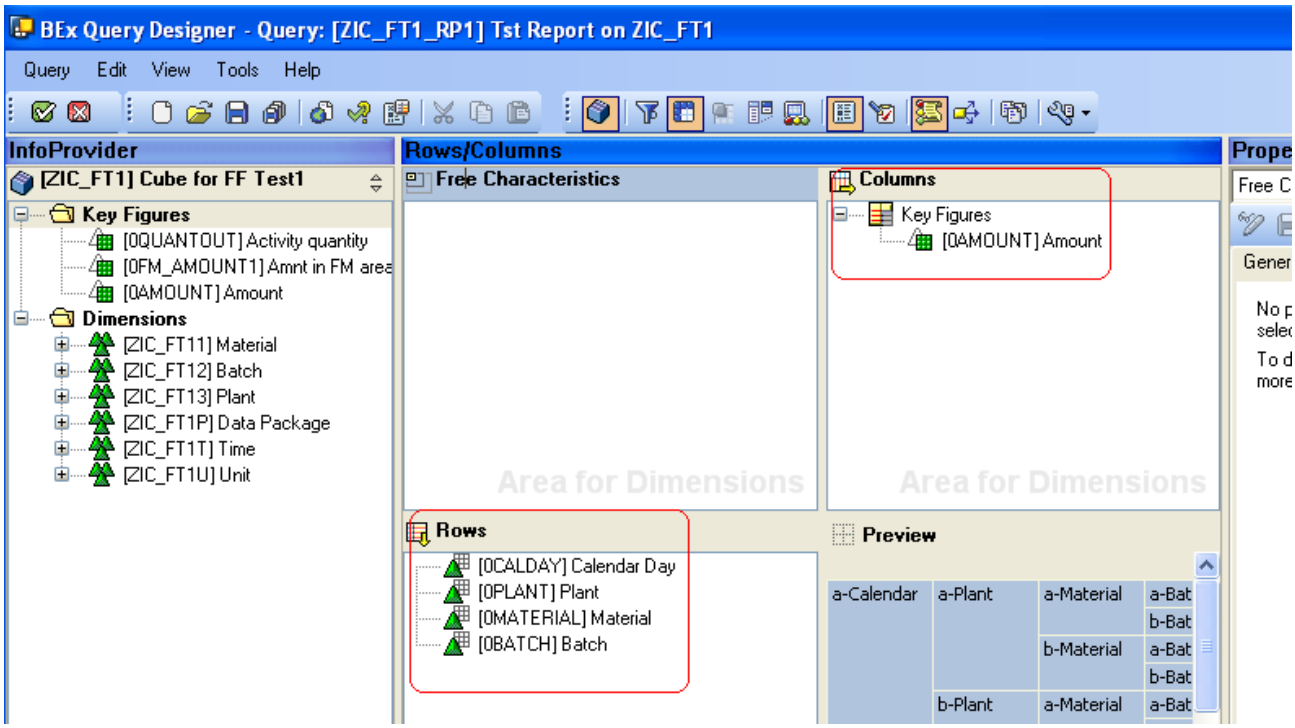


© 2009 SAP AG

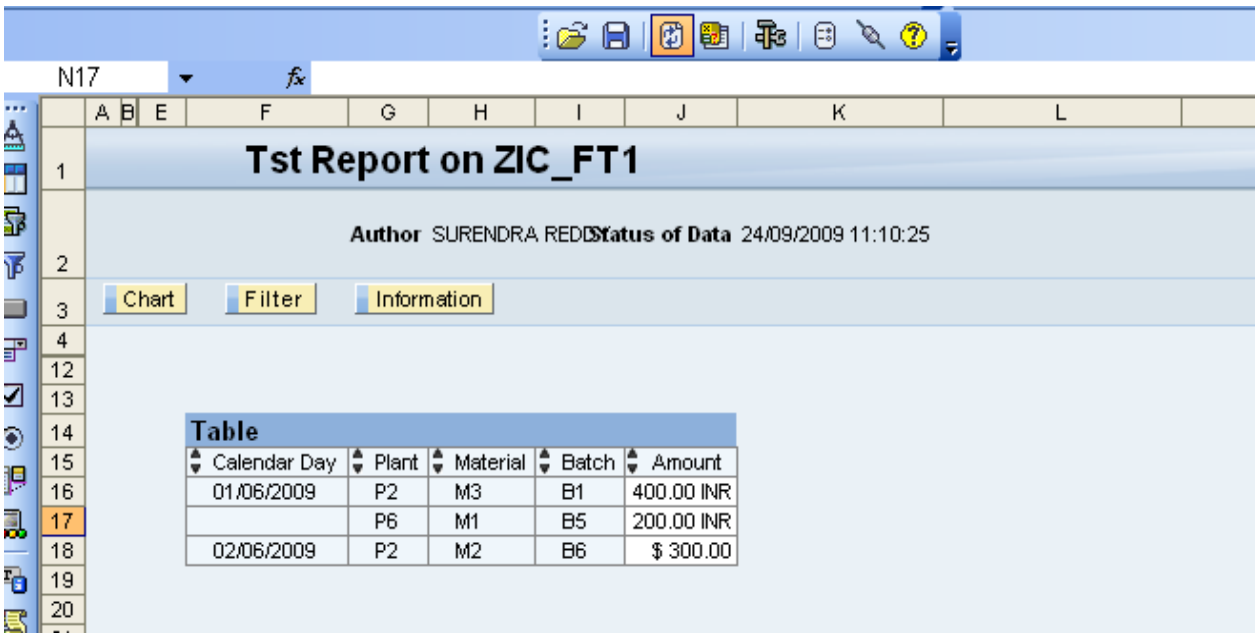
Result:

Report Designer:

See the Rows and Columns InfoObjects in Report.



Report Out Put:



File Data.

Open the file and see the data in the file, you can find the calculated formula (Amount * 10) in G column.

© 2009 SAP AG

	A	B	C	D	E	F	G
1	0AMOUNT	CUKY	0CALDAY	0PLANT	0MATERIAL	0BATCH	ZFM
2	400	INR	20090601	P2	M3	B1	4000
3	300	USD	20090602	P2	M2	B6	3000
4	200	INR	20090601	P6	M1	B5	2000

If you compare the Actual Report data with downloaded file data, you can fine the Descending order on Amount and calculated formula in G column.

© 2009 SAP AG

Related Content

Analysis Process Designer (APD): Part - 1

Analysis Process Designer

Using Customer Exit Variables in BW Reports Part - 3

How to use Customer Exit Variables in BW Reports: Part - 2

Using Customer Exit Variables in BW or BI Reports Part - 1

Using Text Variables with Customer Exits in Report Headings

Using Text Variables with Customer Exits in Report Headings

For more information, visit the Business Intelligence homepage.

© 2009 SAP AG

Disclaimer and Liability Notice

This document may discuss sample coding or other information that does not include SAP official interfaces and therefore is not supported by SAP. Changes made based on this information are not supported and can be overwritten during an upgrade.

SAP will not be held liable for any damages caused by using or misusing the information, code or methods suggested in this document, and anyone using these methods does so at his/her own risk.

SAP offers no guarantees and assumes no responsibility or liability of any type with respect to the content of this technical article or code sample, including any liability resulting from incompatibility between the content within this document and the materials and services offered by SAP. You agree that you will not hold, or seek to hold, SAP responsible or liable with respect to the content of this document.

© 2009 SAP AG