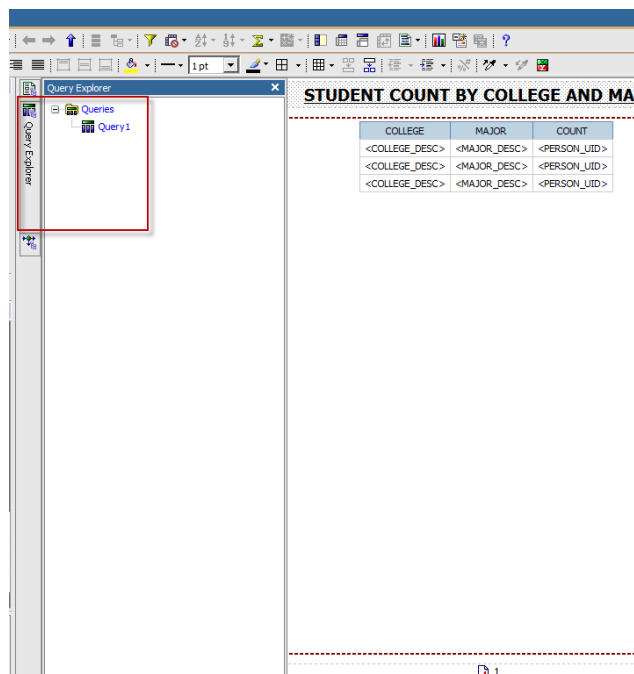


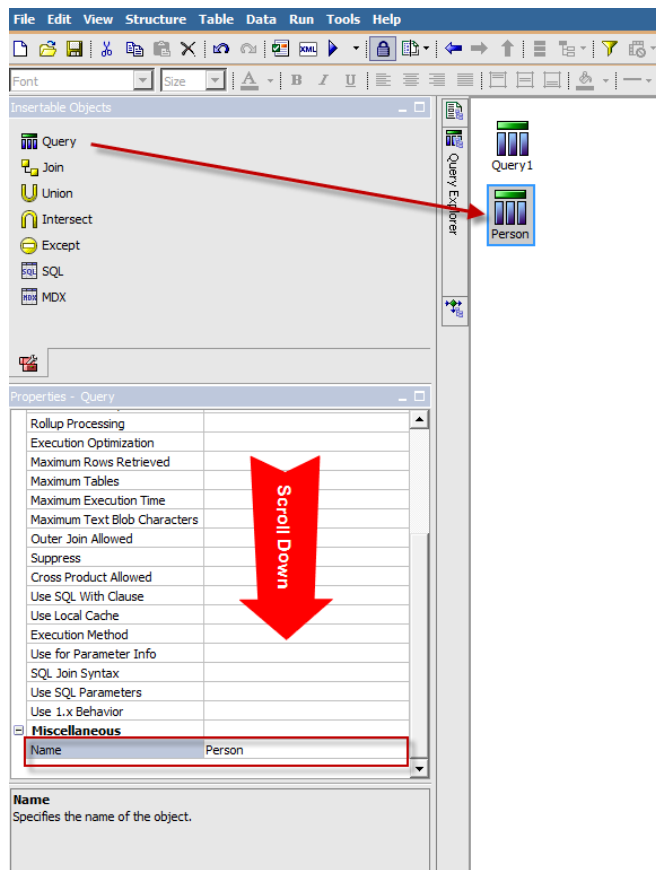
## Joins - Introduction

Using **Joins** in Cognos allows the user to specify the relationship between the query subjects within Cognos and override the relationships set up in the package model. An example of this is the use of outer joins. In many cases, the package uses inner joins, but you may want to include records that do not have a specific field. If the package uses an inner join, you must create a join within Report Studio to override the package relationship.

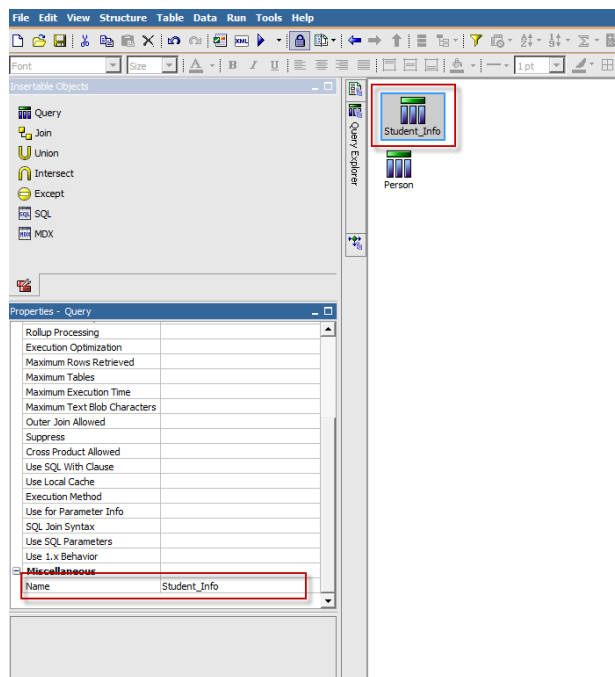
## Queries



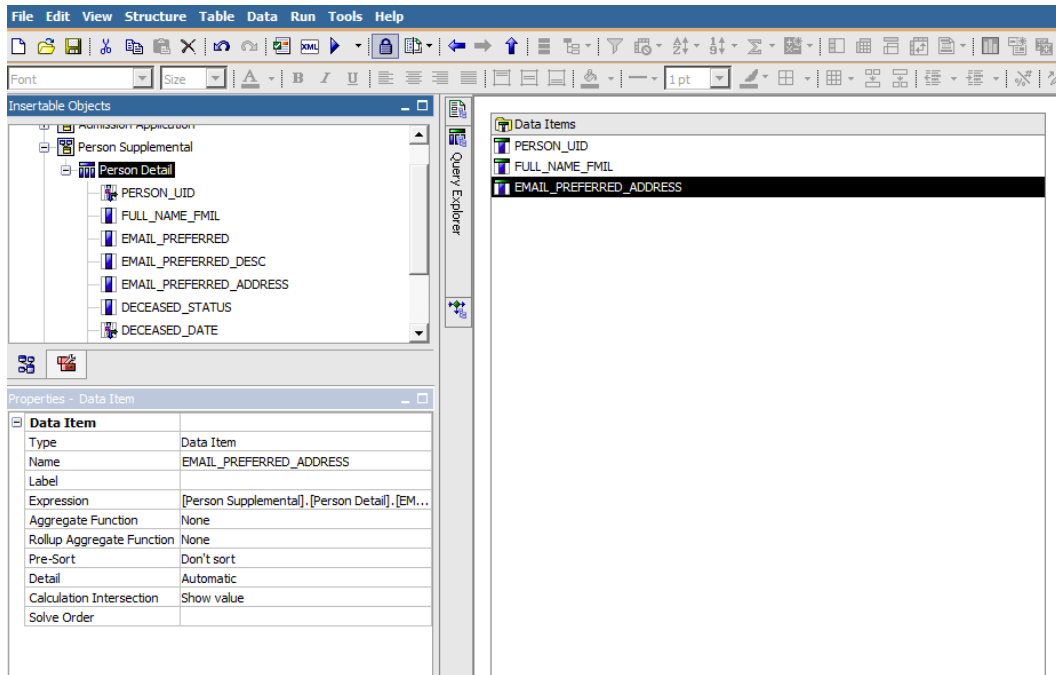
1. Place your cursor on the Query Explorer
2. Select Queries



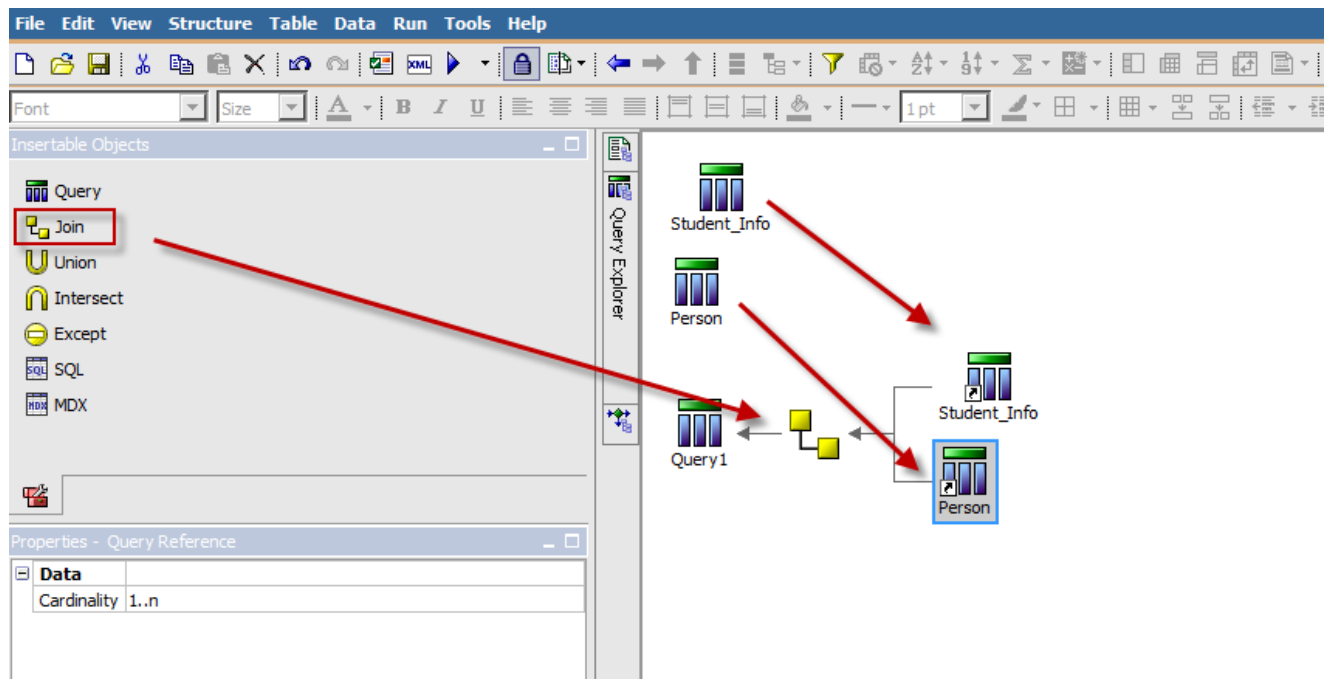
3. Insert a new Query (will default to Query2)
4. Scroll down the Properties Pane to change the Name to 'Person'



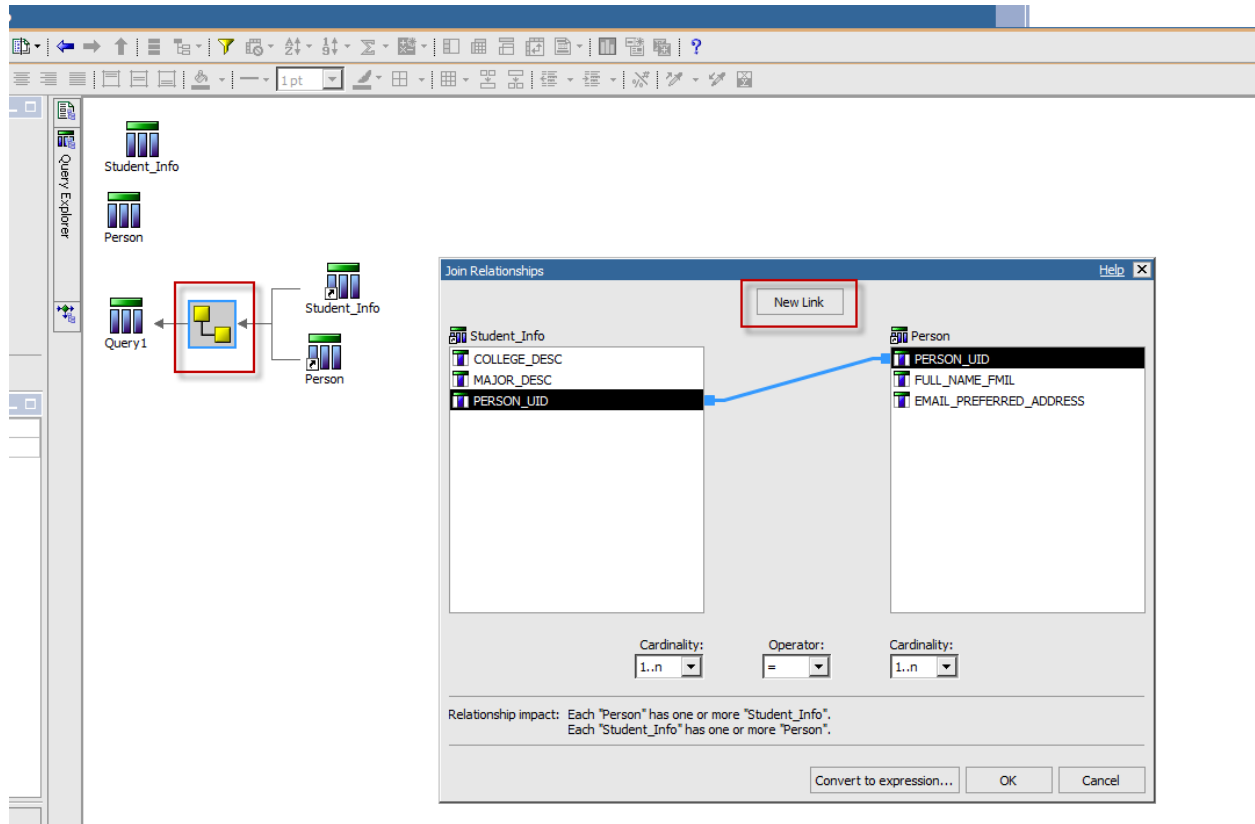
5. Select Query1
6. Scroll down the Properties Pane to change the Name to 'Student\_Info'




7. Double click on the Query Item Person
8. From the Person Detail Query Subject insert:
  - a. Person\_UID
  - b. Full\_Name\_FMIL
  - c. Email\_PREFERRED\_Address
9. Insert the Pre-Defined Filter Admit Select
10. Create a Filter using Academic\_Period (= '201280')
11. Double click on the Query Item Student\_Info
12. From the Admissions Application Query Subject insert:
  - a. Person\_UID
  - b. College\_Desc
  - c. Major\_Desc



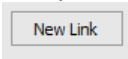
13. Return to the Queries Page
14. From the Insertable Objects Pane, insert a Join *below* the existing query items
15. Drag Student\_Info to the top cell
16. Drag Person to the bottom cell



17. Double click on the Join  icon

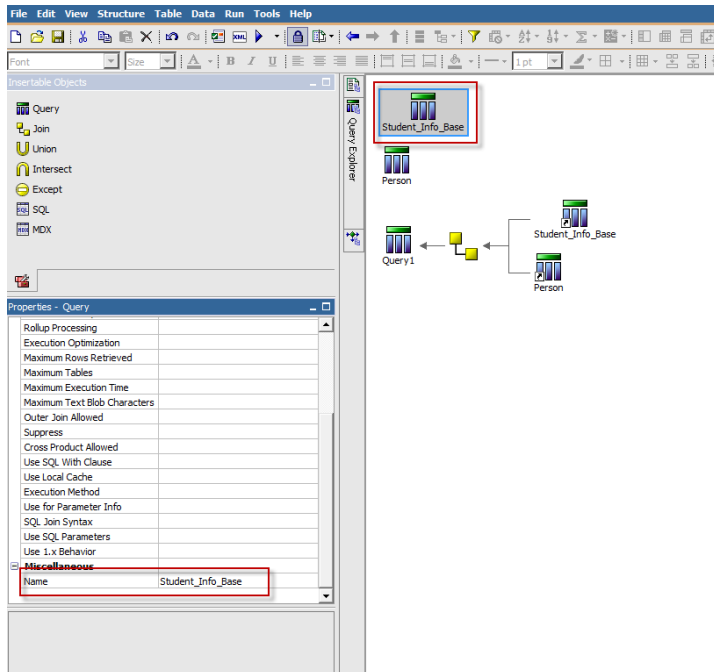
18. The Joins Relationships window will open

19. Select New Link

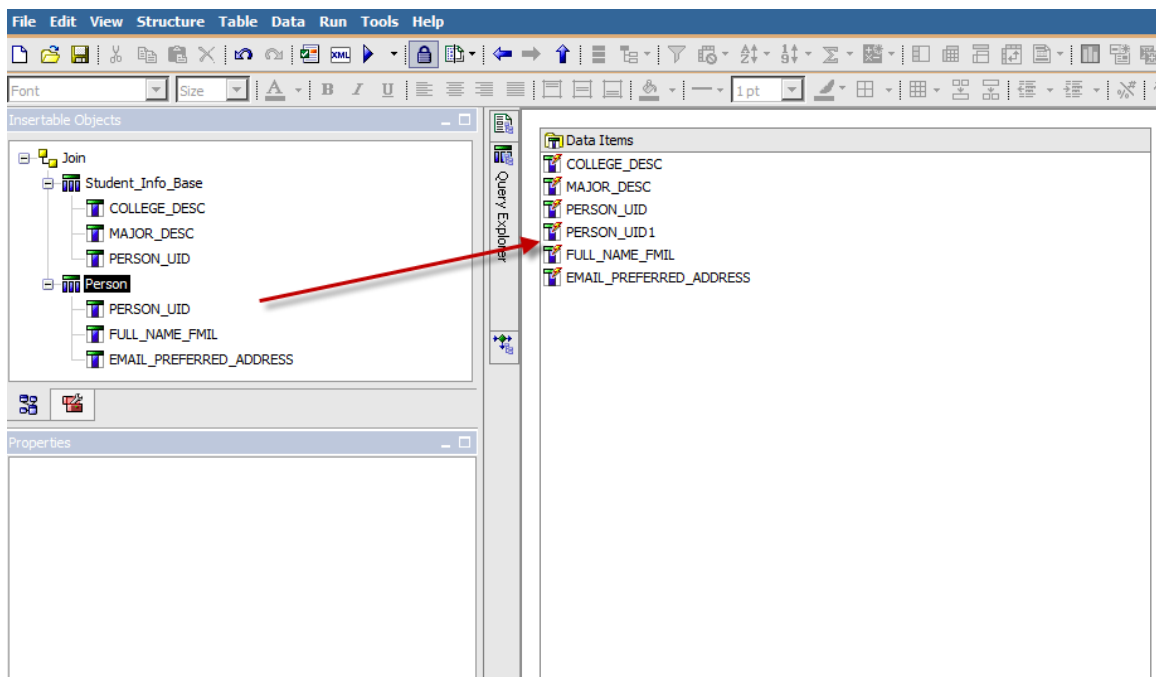


20. Join Student\_Info PERSON\_UID to Person PERSON\_UID

NOTE: The Cardinality on the right is typically 0..n or 1..n – An Inner Join would return all rows from multiple tables where the join condition is met and Outer Join would return all rows even if the join condition does not find any matching record.



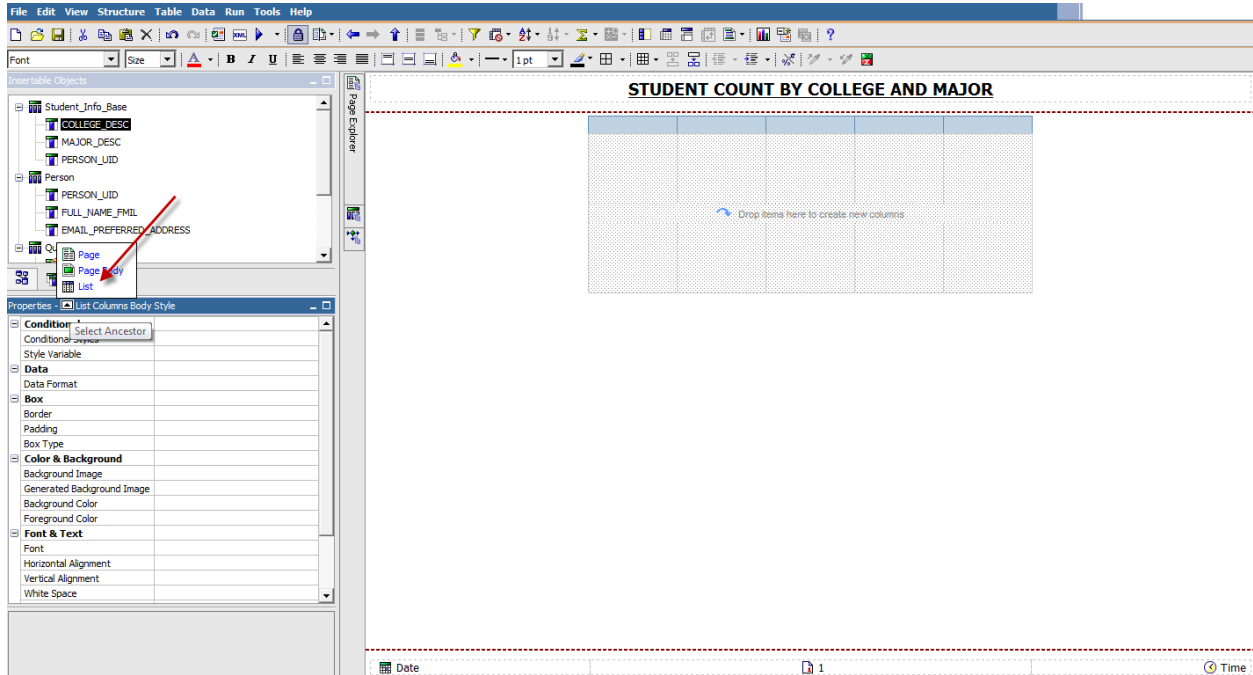
21. Select the Query Item Student\_Info
22. Rename to Student\_Info\_Base




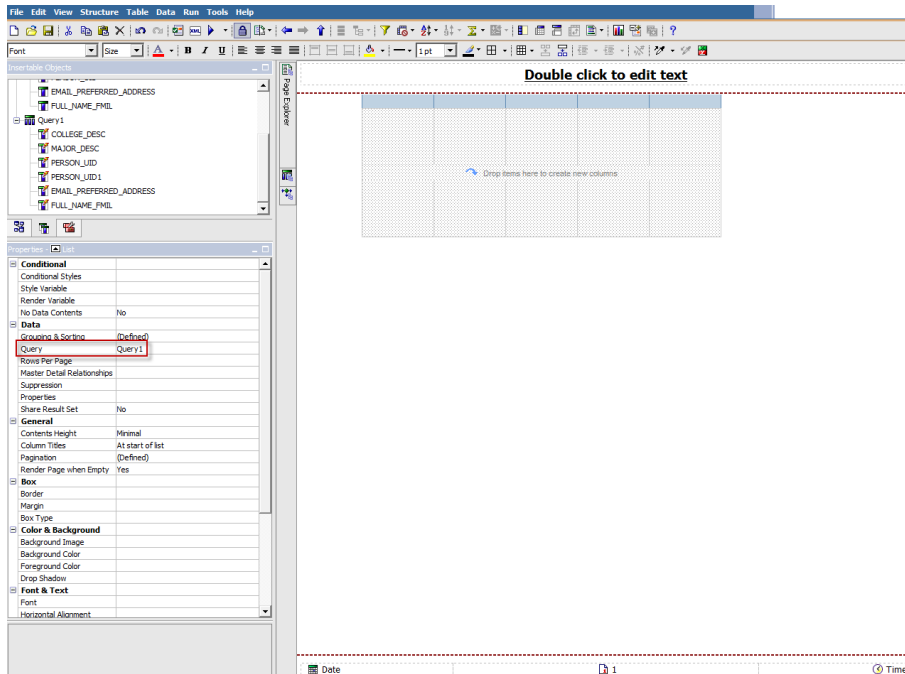
23. Go to the Query Explorer
24. Open Query1
25. Insert all items from the Data Items tab into the Data Items Pane

## Report Page

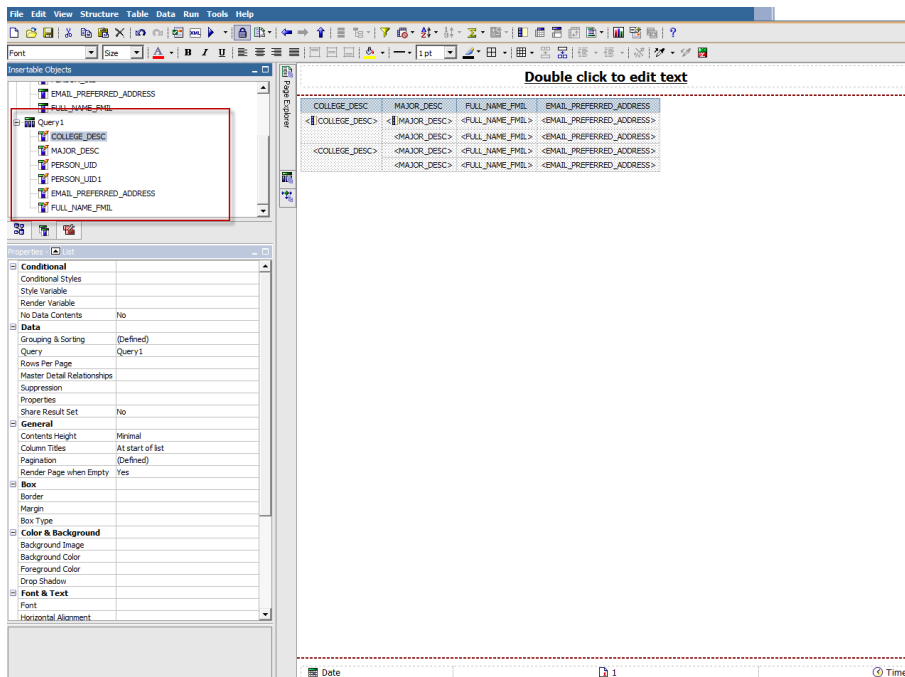
This section steps you through creating the Report Page.



1. Expand the Page Explorer
2. Select Page 1
3. Highlight the Work Area
4. Select List from the Properties Pane Ancestor 
5. Select List from the Pull-down list



## 6. Change Query Name to the Joined Query (in this example Query1)



7. Select the Data Items tab
8. Insert Data Items into work area – ONLY use from Query1
9. Format your report
10. Run to test