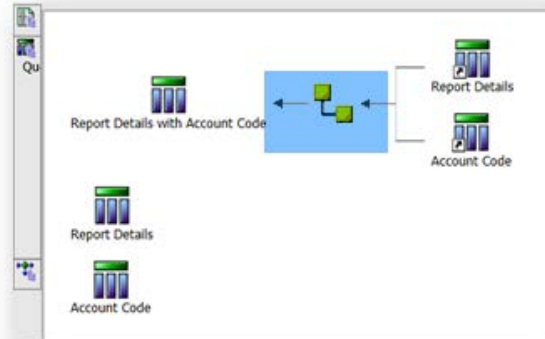
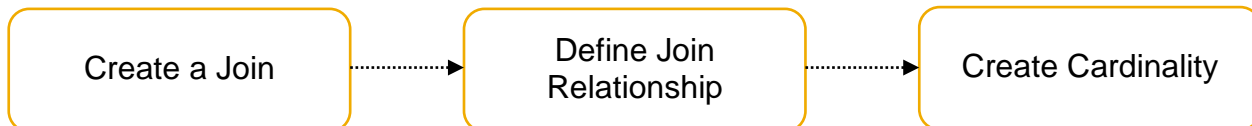
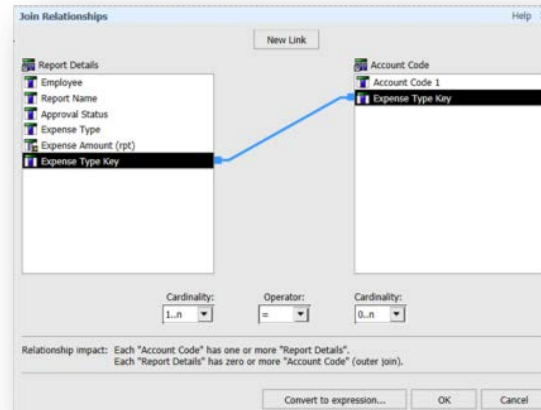


Cardinality

After joining two queries, you then define the join relationship and its cardinality. Cardinality refers to the unique relationship between the data values that have been joined.

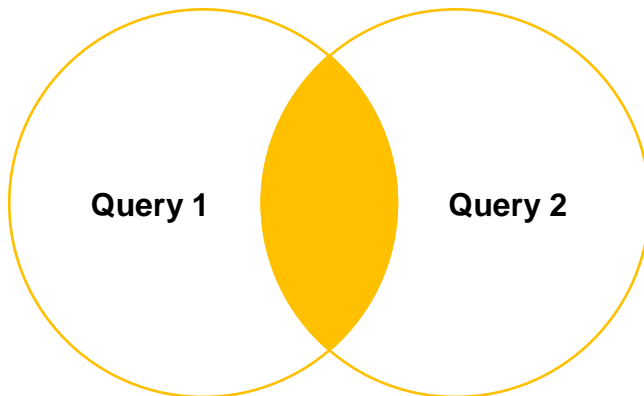


In this scenario, a join has been created to add the account code to expense details. The join relationship has been defined using the Expense Type Key which calls for a cardinality relationship of 1:n to 0:n. The relationship impact then reads that each account code will have one or more expenses and each expense will have zero or more account codes.

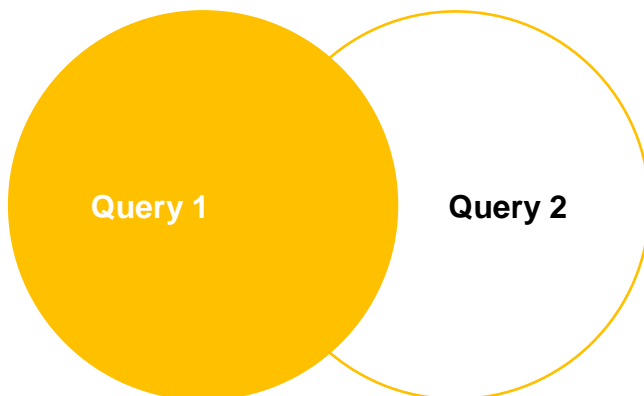


CARDINALITY RELATIONSHIPS CAN BE EXPRESSED AS:

- **One-to-one (1:1)** – this data item has one and only one matching record
- **One-to-many (1:n)** – this data item has one or more than one matching record(s)



- **Zero-to-one (0:1)** – this data item has zero or only one matching record
- **Zero-to-many (0:n)** – this data item has zero or more than one matching record(s)



Notes:

www.sap.com/contactsap

© 2018 SAP SE or an SAP affiliate company. All rights reserved.
No part of this publication may be reproduced or transmitted in any form or for any purpose without the express permission of SAP SE or an SAP affiliate company.

The information contained herein may be changed without prior notice. Some software products marketed by SAP SE and its distributors contain proprietary software components of other software vendors. National product specifications may vary.

These materials are provided by SAP SE or an SAP affiliate company for informational purposes only, without representation or warranty of any kind, and SAP or its affiliated companies shall not be liable for errors or omissions with respect to the materials. The only warranties for SAP or SAP affiliate company products and services are those that are set forth in the express warranty statements accompanying such products and services, if any. Nothing herein should be construed as constituting an additional warranty.

In particular, SAP SE or its affiliated companies have no obligation to pursue any course of business outlined in this document or any related presentation, or to develop or release any functionality mentioned therein. This document, or any related presentation, and SAP SE's or its affiliated companies' strategy and possible future developments, products, and/or platform directions and functionality are all subject to change and may be changed by SAP SE or its affiliated companies at any time for any reason without notice. The information in this document is not a commitment, promise, or legal obligation to deliver any material, code, or functionality. All forward-looking statements are subject to various risks and uncertainties that could cause actual results to differ materially from expectations. Readers are cautioned not to place undue reliance on these forward-looking statements, and they should not be relied upon in making purchasing decisions.

SAP and other SAP products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of SAP SE (or an SAP affiliate company) in Germany and other countries. All other product and service names mentioned are the trademarks of their respective companies. See <http://www.sap.com/corporate-en/legal/copyright/index.epx> for additional trademark information and notices.