

## Cheat Sheet Databases 1 Aggregation

| Technique                   | Code example  |
|-----------------------------|---|
| Create a view               | <pre>CREATE OR REPLACE VIEW SUPPLIEDSTOCK AS ( SELECT SUPPLIER_NAME, STOCK_DESCRIPTION FROM STOCK JOIN SUPPLIER USING (SUPPLIER_ID));</pre>   |
| A UNION B                   | <pre>SELECT STOCK_CODE FROM STOCK WHERE UNIT_PRICE &gt; 100 UNION SELECT STOCK_CODE FROM STOCK WHERE SUPPLIER_ID = 501;</pre>   |
| A INTERSECT B               | <pre>SELECT STOCK_CODE FROM STOCK WHERE UNIT_PRICE &gt; 100 INTERSECT SELECT STOCK_CODE FROM STOCK WHERE SUPPLIER_ID = 501;</pre>   |
| A MINUS B                   | <pre>SELECT STOCK_CODE FROM STOCK WHERE UNIT_PRICE &gt; 100 MINUS SELECT STOCK_CODE FROM STOCK WHERE SUPPLIER_ID = 501;</pre>   |
| B MINUS A                   | <pre>SELECT STOCK_CODE FROM STOCK WHERE SUPPLIER_ID = 501 UNION SELECT STOCK_CODE FROM STOCK WHERE UNIT PRICE &gt; 100;</pre>   |
| Combining views to simplify | <pre>CREATE OR REPLACE VIEW A AS ( SELECT STOCK_CODE FROM STOCK WHERE UNIT_PRICE &gt; 100); CREATE OR REPLACE VIEW B AS ( SELECT STOCK_CODE FROM STOCK WHERE SUPPLIER_ID = 501); SELECT * FROM A UNION SELECT * FROM B;</pre> |