# Reading Rainbow Queries

SELECT \*

FROM Book

INNER JOIN Wrote ON Book.BOOK\_CODE = Wrote.BOOK\_CODE

ORDER BY PRICE DESC;

SELECT W.BOOK\_CODE, W.AUTHOR\_NUM

FROM Wrote AS W

LEFT JOIN Author AS A ON W.AUTHOR\_NUM = A.AUTHOR\_NUM

WHERE W.AUTHOR\_NUM >= 21;

SELECT Branch.BRANCH\_NUM, Branch.BRANCH\_NAME, Branch.BRANCH\_LOCATION, Inventory.BOOK\_CODE

FROM Inventory

RIGHT JOIN Branch ON Inventory.BRANCH\_NUM = Branch.BRANCH\_NUM

ORDER BY Inventory.BOOK\_CODE ASC;

SELECT Book.BOOK\_CODE, Book.TITLE, Book.BOOK\_GENRE, Book.PRICE, Wrote.AUTHOR\_NUM, Inventory.ON\_HAND

FROM Book

INNER JOIN Wrote ON Book.BOOK\_CODE = Wrote.BOOK\_CODE

INNER JOIN Inventory ON Book.BOOK\_CODE = Inventory.BOOK\_CODE;

Select \* From Branch

Where NUM\_EMPLOYEES > 8

Union

Select \* From Branch\_Expansion

Where NUM\_EMPLOYEES > 8;

DROP TABLE Branch\_Expansion;

INSERT INTO Branch

VALUES (5, 'Books In Bay Village', '25619 Lake Road', 6),

(6, 'Books In Westlake', '1876 Crocker Drive', 9),

(7, 'Books In The CLE', '18521 E 185th Street', 14),

(8, 'Books In The Valley', '3885 Brittain Road', 8);

Select \* From Branch

Order By NUM\_EMPLOYEES Desc;

Select EMPLOYEE\_ID, BRANCH\_NUM,

Case

When BRANCH\_NUM = 1 Then 'Branch Downtown'

When BRANCH\_NUM = 2 Then 'Branch On The Hill'

When BRANCH\_NUM = 3 Then 'Branch On The Eastshore'

When BRANCH\_NUM = 4 Then 'Branch In Brooklyn'

Else 'Not a valid Branch Number'

End As [Employee Job Location] From Branch\_Employees;

Select AUTHOR\_NUM From Wrote

Intersect

Select AUTHOR\_NUM From Author

Where AUTHOR\_NUM BETWEEN 11 AND 29;

Select B1.BRANCH\_NUM, B2.BRANCH\_NUM As [Related Branch]

From Branch B1

Join Branch B2 On B1.BRANCH\_NUM IN (2, 5);

Select

Branch.BRANCH\_NUM,

Branch.BRANCH\_LOCATION,

Branch\_Employees.EMPLOYEE\_ID,

Branch\_Employees.HOURLY\_WAGE

From Branch

Cross Join Branch\_Employees

Where Branch.BRANCH\_NUM = 4 And Branch\_Employees.HOURLY\_WAGE = 12.50;

Select

Branch\_Employees.EMPLOYEE\_ID,

Branch\_Employees.LAST\_NAME,

Branch\_Employees.BRANCH\_NUM,

Avg(Sales.SALE\_PRICE) As [Average Sales Price]

From Branch\_Employees

Left Join Sales

On Branch\_Employees.BRANCH\_NUM = Sales.BRANCH\_NUM

Group By

Branch\_Employees.BRANCH\_NUM,

Branch\_Employees.EMPLOYEE\_ID,

Branch\_Employees.LAST\_NAME;

Select EMPLOYEE\_ID, JOB\_CODE, Max(HOURLY\_WAGE) As MaxHourlyWage

From Branch\_Employees

Group By JOB\_CODE, EMPLOYEE\_ID

Having Max(HOURLY\_WAGE) = 0;

Update Branch\_Employees

Set HOURLY\_WAGE = 25.00

Where HOURLY\_WAGE = 0.00;

Select Inventory.BRANCH\_NUM AS BranchNumber, Branch\_Employees.EMPLOYEE\_ID AS EmployeeID, Branch\_Employees.LAST\_NAME AS LastName,

Avg(Branch\_Employees.HOURLY\_WAGE) As AverageHourlyWage

From Inventory

Right Join Branch\_Employees

On Inventory.BRANCH\_NUM = Branch\_Employees.BRANCH\_NUM

Group By

Inventory.BRANCH\_NUM,

Branch\_Employees.EMPLOYEE\_ID,

Branch\_Employees.LAST\_NAME

Having Avg(Branch\_Employees.HOURLY\_WAGE) > 20.00;