



INF 110 Discovering Informatics

Joins

`drinks.join('Cafe', discounts, 'Location')`

Match rows in
this table ...

... using values
in this column ...

... with rows in
that table ...

... using values
in that column.

Columns from
both tables

drinks

Drink	Cafe	Price
Milk Tea	Tea One	4
Espresso	Nefeli	2
Latte	Nefeli	3
Espresso	Abe's	2

discounts

Coupon	Location
25%	Tea One
50%	Nefeli
5%	Tea One

The joined column is
sorted automatically

Cafe	Drink	Price	Coupon
Nefeli	Espresso	2	50%
Nefeli	Latte	3	50%
Tea One	Milk Tea	4	25%
Tea One	Milk Tea	4	5%

Live Code Car Maintenance

Tasks: Create a table of students and their car brands. Create a second table of cars and if they use domestic or international parts. Can you answer which students need domestic or international parts with a join?

Learning Outcomes

- Using joins
- Creating tables with related data

Live Code Laser Tag

Tasks: In a particular laser tag game your score is your individual hits plus a team bonus (or handicap). Create one table that has individual laser tag scores and team names. Create a second table that includes the team name and team bonus. Can you create a table that yields the total score for a team member?

Learning Outcomes

- Creating related tables
- Creating joins

end