

Example Test Cases

Last updated: Wednesday 1st March 3:49pm
Most recent changes are shown in red ... older changes are shown in brown.

[Assignment Spec] [Database Design] [Examples] [Testing] [Submitting] [Fixes+Updates]

The following will give some sample inputs and outputs that you can use to estimate the correctness of your views and functions. At present it just shows output from a few simple queries.

These examples are by no means exhaustive, and more cases will be used in the auto-marking; it is up to you to perform comprehensive checking of your solution.

Note that the default behaviour when you raise an error is to print a line giving you the CONTEXT in the PLpgSQL code where the error was raised. We did not show the CONTEXT message in the examples below. For you to prevent the message, use the `psql` command:

```
\set verbosity terse
```

Of course, this will probably prevent the CONTEXT message appearing if your code has a genuine error, so rather than turning the message off, you could always just ignore it. Whether it's on or off does not affect the auto-marking.

Examples for BeerDB

-- How many breweries are there?

```
ass1=# select count(*) from Breweries;
count
-----
    247
(1 row)
```

-- How many different beers are there?

```
ass1=# select count(*) from Beers;
count
-----
    776
(1 row)
```

-- How many different countries have breweries?

```
ass1=# select distinct(country) from Locations order by country;
country
-----
Australia
Austria
Belgium
Canada
China
Denmark
England
Germany
Hong Kong
Italy
Japan
Mexico
Netherlands
New Zealand
Norway
Poland
Scotland
South Korea
Sweden
United States
Vietnam
(21 rows)
```

-- Expected output for assignment views

```
ass1=# select * from q1 order by brewery;
```

brewery	suburb
---------	--------

Algorithm Brewing	Marrickville
Bracket Brewing	Alexandria
Malt Wolf Pty Ltd	
Slow Lane Brewing	Botany
The Bondi Brewing Co	Bondi
White Bay Beer Co	Rozelle

(6 rows)

```
ass1=# select * from q2 order by beer, brewery;
```

beer	brewery
------	---------

Barley Wine	Hawkers Beer
Double Red IPA	Mountain Culture Beer Co
Hazy IPA	Gwei Lo Beer
Hazy IPA	Hawkers Beer
Hazy IPA	Holgate Brewhouse
Hazy IPA	Malt Wolf Pty Ltd
Hazy IPA	One Drop Brewing Co.
IPA	AleSmith Brewing Co
IPA	Detour Beer Co
IPA	Zytho Brewing
Imperial IPA	Hawkers Beer
Imperial Red Ale	Hope Brewery
Imperial Stout	Ekin Brewing Co
Imperial Stout	Mountain Goat Beer
Lager	Balter Brewing Co
Lager	Mountain Culture Beer Co
Oatmeal Stout	Ocean Reach Brewing
Pale Ale	Algorithm Brewing
Pale Ale	East Sydney Brewing
Pale Ale	Mountain Culture Beer Co
Pale Ale	Prancing Pony Brewery
Pale Ale	Sierra Nevada Brewing Company
Porter	Colonial Brewing Company
Red IPA	Bulli Brewing Co
Russian Imperial Stout	Bracket Brewing
Saison	Exit Brewing
Scotch Ale	Caledonian Brewery
West Coast IPA	Bracket Brewing
West Coast IPA	Mr.Banks Brewing Co

(29 rows)

```
ass1=# select * from q3 order by brewery;
```

brewery	founded
---------	---------

Sierra Nevada Brewing Company	1980
-------------------------------	------

(1 row)

```
ass1=# select * from q4 order by style;
```

style	count
-------	-------

Amber IPA	1
American IPA	1
Australian IPA	1
Black Double IPA	1
Black IPA	3
Black Imperial IPA	1
Brown IPA	1
Brut IPA	1
Creamy IPA	1
Cryo IPA	1
Dark IPA	2
Double IPA	43
Double NEIPA	11
Double Oat Cream IPA	1
Double Red IPA	6
Dry Hazy IPA	1
Extra IPA	1
Hazy Double IPA	20
Hazy IPA	72
Hazy Imperial IPA	1
Hazy Triple IPA	6
IPA	102
Ice Cream Cake IPA	1
Imperial Hazy IPA	2
Imperial IPA	17
Imperial NEIPA	1
Imperial Red IPA	7
Imperial Thickshake IPA	1
Kettle soured Double IPA	1
Milkshake IPA	4
NEIPA	49
New World IPA	1
Oat Cream IPA	17
Oat Cream NEIPA	2
Quintuple IPA	1
Red Double IPA	1
Red IPA	15
Red Rye IPA	1
Rye IPA	1
Session Hazy IPA	1
Session IPA	2
Sour Hazy IPA	1
Sour Red IPA	1
Triple IPA	6
Triple NEIPA	1
Tropical Brut IPA	1
Vermont IPA	1
West Coast IPA	18
White IPA	1

(49 rows)

```
ass1=# select * from q5 order by brewery;
```

brewery	location
---------	----------

AleSmith Brewing Co	San Diego
Almanac Beer Company	Alameda
Alpine Beer Company	Alpine
Anderson Valley Brewing Company	Boonville
Ballast Point Brewing Co	San Diego
Bear Republic Brewing	Cloverdale
Belching Beaver Brewery	Oceanside
Cellarmaker Brewing Co	San Francisco
Figueroa Mountain Brewing Co	Buellton
Firestone Walker Brewing Company	Paso Robles
Golden Road Brewing	Los Angeles
Heretic Brewing	Fairfield
High Water Brewing Inc	Lodi
Humble Sea Brewing	Santa Cruz
Karl Strauss Brewing Company	San Diego
Knee Deep Brewing Co	Auburn
Local Brewing Co	San Francisco
Modern Times Beer	Point Loma
Monkish Brewing Company	Torrance
Moonraker Brewing	Auburn
Mother Earth Brew Company	Vista
Northcoast Brewing Co	Fort Bragg
Offshoot Beer	Placentia
Pizza Port Brewing Company	Carlsbad
Sierra Nevada Brewing Company	Chico
Smog City Brewing Co	Torrance
Societe Brewing Company	Kearny Mesa
Stone Brewing	Escondido
The Bruery	Placentia

(29 rows)

```
ass1=# select * from q6 order by beer;
```

beer	brewery	abv
------	---------	-----

Jumping the Shark 2015	Moon Dog Craft Brewery	18.4
------------------------	------------------------	------

(1 row)

```
ass1=# select * from q7 order by hop;
```

hop

Citra

(1 row)

```
ass1=# select * from q8 order by brewery;
```

brewery

Abbaye de Scourmont – Chimay
Aeqlr Bryggeri
Algorithm Brewing
Almanac Beer Company
Alpine Beer Company
Bayerische Staatsbrauerei Weihenstephan
Birra del Borgo
Brasserie Dupont
Brasserie d'Orval
Brasserie de Rochefort
Brauerei Heller
Brauerei Schloss Eggenberg
Brouwerij Huyghe
Brouwerij Verhaeghe
Caledonian Brewing
Capital Brewing Co
Carbon Brews
Coopers Brewery
Counter Culture Brewing
Darkes Cider
Dogfish Head Brewery
East Sydney Brewing
Future Mountain Brewing and Blending
Great Leap Brewing
Hair of the Dog Brewing Company
Harviestoun Brewery
Hemingway's Brewing
Heroes Beer Co
Kereru Brewing Co
Lervig Aktiebryggeri
Malt Shovel Brewers
Mornington Peninsula Brewery
Nogne 0 (Hansa Borg)
Oriental Brewery
Pelican Brewing
Rodenbach Brewery
Sail and Anchor Brewing Co
Samuel Smiths Brewery
Slow Lane Brewing
Spencer Brewery
To Ol
Two Birds Brewing
Urban Alley Brewery
Wildflower Brewing and Blending
Willie Smiths Ciderg
Young Master Hong Kong

(46 rows)

```
ass1=# select * from q9;
```

grain

Oats

(1 row)

```
ass1=# select * from q10;
```

unused

Acai

(1 row)

```
ass1=# select * from q11('Australia');
```

minabv	maxabv
--------	--------

0	18.4
---	------

(1 row)

-- note that country name matching is case-sensitive

```
ass1=# select * from q11('australia');
```

minabv	maxabv
--------	--------

0	0
---	---

(1 row)

```
ass1=# select * from q11('United States');
```

minabv	maxabv
--------	--------

4	15.5
---	------

(1 row)

```
ass1=# select * from q11('Scotland');
```

minabv	maxabv
--------	--------

4.5	55
-----	----

(1 row)

```
ass1=# select * from q11('No such place');
```

minabv	maxabv
--------	--------

0	0
---	---

(1 row)

```
ass1=# select * from q11('USA');
```

minabv	maxabv
--------	--------

0	0
---	---

(1 row)

```
ass1=# select * from Q12('oat cream');
```

beer	brewer	info
------	--------	------

Oat Cream	Six String Brewing Company	
East Coast India Pale Ale	Grassy Knoll Brewing	Hops: Citra,Strata +
		Grain: Oats,Pale malt,Wheat
Mango Oat Cream	N.O.M.A.D Brewing	
DDH MBC Oat Cream IPA	Otherside Brewing Co	Hops: Bravo,Centennial,Mosaic +
		Grain: Oats,Pale,Rye,Treticale,Wheat+
		Extras: Lactose,Vanilla

(4 rows)

```
ass1=# select * from Q12('imperial stout') order by beer, brewer;
```

beer	brewer	info
------	--------	------

Gulden Draak Imperial Stout	Brouwerij Van Steenberghe	
Imperial Stout	Ekin Brewing Co	
Imperial Stout	Mountain Goat Beer	
Russian Imperial Stout	Bracket Brewing	

(4 rows)

```
ass1=# select * from Q12('pastry stout') order by beer, brewer;
```

beer	brewer	info
------	--------	------

Banana Pastry Stout	Hop Nation Brewing Co	Extras: Banana
Peanut Butter Pastry Stout	Hop Nation Brewing Co	Extras: Peanut butter

(2 rows)

```
ass1=# select * from Q12('Hazy IPA') order by beer, brewer;
```

beer	brewer	info
------	--------	------

Del Mar Pink Grapefruit Hazy IPA	Urbanaut Brewing Co	
East Coast Hazy IPA	Bracket Brewing	Hops: Citra,Mosaic,Trident
Hazy IPA	Bracket Brewing	Hops: Mosaic,Motueka,Nelson sauvin
Hazy IPA	Gwei Lo Beer	
Hazy IPA	Hawkers Beer	
Hazy IPA	Holgate Brewhouse	Hops: Amarillo,Azacca,Mosaic
Hazy IPA	Malt Wolf Pty Ltd	
Hazy IPA	Nogne 0 (Hansa Borg)	
Hazy IPA	One Drop Brewing Co.	Hops: Nelson sauvin,Sabro,Vic-secret+
		Grain: Oat,Wheat
Mango Hazy IPA	Seventh Day Brewery	Extras: Mango

(10 rows)

```
ass1=# select * from Q12('aquarius') order by beer, brewer;
```

beer	brewer	info
------	--------	------

Age of Aquarius	Garage Project + Modern Times Beer	
-----------------	------------------------------------	--

(1 row)

```
ass1=# select * from Q12('omnibus') order by beer, brewer;
```

beer	brewer	info
------	--------	------

Cosmic Omnibus	AleSmith Brewing Co + Modern Times Beer	Extras: Citrus zest
----------------	---	---------------------

(1 row)

```
ass1=# select * from Q12('No such beer');
```

beer	brewer	info
------	--------	------

(0 rows)