

Project (SQL): What and Where are the World's Oldest Businesses

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Introduction

An important part of business is planning for the future and ensuring that the company survives changing market conditions. Some businesses do this really well and last for hundreds of years.

BusinessFinancing.co.uk researched the oldest company that is still in business in (almost) every country and compiled the results into a dataset. In this project, you'll explore that dataset to see what they found.

The database contains three tables:

categories

column	type	meaning
category_code	varchar	Code for the category of the business.
category	varchar	Description of the business category.

countries

column	type	meaning
country_code	varchar	ISO 3166-1 3-letter country code.
country	varchar	Name of the country.
continent	varchar	Name of the continent that the country exists in.

businesses

column	type	meaning
business	varchar	Name of the business.
year_founded	int	Year the business was founded.
category_code	varchar	Code for the category of the business.
country_code	char	ISO 3166-1 3-letter country code.

Task_01

Select the oldest and newest founding years from the businesses table

```
1  SELECT
2      min(year_founded),
3      max(year_founded)
4  FROM
5      businesses;
```

Result :

min	max
578	1999

Task_02

Get the count of rows in businesses where the founding year was before 1000

```
1  SELECT
2      count(*)
3  FROM
4      businesses
5  WHERE
6      year_founded < 1000;
```

Result :

count
6

Task_03

Select all columns from businesses where the founding year was before 1000
Arrange the results from oldest to newest

```
1  SELECT
2      *
3  FROM
4      businesses
5  WHERE
6      year_founded < 1000
7  ORDER BY
8      year_founded;
```

Result :

business	year_founded	category_code	country_code
Kongō Gumi	578	CAT6	JPN
St. Peter Stifts Kulinarium	803	CAT4	AUT
Staffelter Hof Winery	862	CAT9	DEU
Monnaie de Paris	864	CAT12	FRA
The Royal Mint	886	CAT12	GBR
Sean's Bar	900	CAT4	IRL

Task_04

Select business name, founding year, and country code from businesses; and category from categories where the founding year was before 1000, arranged from oldest to newest

```
1  SELECT
2    business,
3    year_founded,
4    country_code,
5    category
6  FROM
7    businesses
8  LEFT JOIN categories ON businesses.category_code = categories.category_code
9  WHERE
10   year_founded < 1000
11  ORDER BY
12   year_founded;
```

Result :

business	year_founded	country_code	category
Kongō Gumi	578	JPN	Construction
St. Peter Stifts Kulinarium	803	AUT	Cafés, Restaurants & Bars
Staffelter Hof Winery	862	DEU	Distillers, Vintners, & Breweries
Monnaie de Paris	864	FRA	Manufacturing & Production
The Royal Mint	886	GBR	Manufacturing & Production
Sean's Bar	900	IRL	Cafés, Restaurants & Bars

Task_05

Select the category and count of category (as "n") arranged by descending count, limited to 10 most common categories

```
1  SELECT
2      category,
3      count(*) as n
4  FROM
5      categories
6  GROUP BY
7      category
8  ORDER BY
9      n DESC
10 LIMIT
11     10;
```

Result :

category	n
Banking & Finance	37
Distillers, Vintners, & Breweries	22
Aviation & Transport	19
Postal Service	16
Manufacturing & Production	15
Media	7
Agriculture	6
Cafés, Restaurants & Bars	6
Food & Beverages	6
Tourism & Hotels	4

Task_06

Select the oldest founding year (as "oldest") from businesses, and continent from countries for each continent, ordered from oldest to newest

```
1  SELECT
2      min(year_founded) as oldest,
3      continent
4  FROM
5      businesses
6      INNER JOIN countries USING(country_code)
7  GROUP BY
8      continent
9  ORDER BY
10     oldest;
```

Result :

oldest	continent
578	Asia
803	Europe
1534	North America
1565	South America
1772	Africa
1809	Oceania

Task_07

Select the business, founding year, category, country, and continent

```
1  SELECT
2      business,
3      year_founded,
4      category,
5      country,
6      continent
7  FROM
8      businesses
9      INNER JOIN categories USING(category_code)
10     INNER JOIN countries USING(country_code);
```

Result :

business	year_founded	category	country	continent
Spinzar Cotton Company	1930	Agriculture	Afghanistan	Asia
ALBtelecom	1912	Telecommunications	Albania	Europe
Andbank	1930	Banking & Finance	Andorra	Europe
Liwa Chemicals	1939	Manufacturing & Production	United Arab Emirates	Asia
Bank of the Province of Buenos Aires	1822	Banking & Finance	Argentina	South America
Yerevan Ararat Brandy-Wine-Vodka Factory	1877	Distillers, Vintners, & Breweries	Armenia	Asia
Australia Post	1809	Postal Service	Australia	Oceania
St. Peter Stifts Kulinarium	803	Cafés, Restaurants & Bars	Austria	Europe
Azerbaijan Caspian	1858	Aviation & Transport	Azerbaijan	Asia

Task_08

Count the number of businesses in each continent and category

```
1 SELECT
2     continent,
3     category,
4     count(business) as n
5 FROM
6     businesses
7     INNER JOIN categories USING(category_code)
8     INNER JOIN countries USING(country_code)
9 GROUP BY
10    continent,
11    category
12 ORDER BY
13    continent,
14    category;
```

Result :

continent	category	n
Africa	Agriculture	3
Africa	Aviation & Transport	10
Africa	Banking & Finance	17
Africa	Distillers, Vintners, & Breweries	3
Africa	Energy	1
Africa	Food & Beverages	1
Africa	Manufacturing & Production	1
Africa	Media	4
Africa	Mining	1
Africa	Postal Service	9
Asia	Agriculture	1
Asia	Aviation & Transport	7
Asia	Banking & Finance	6
Asia	Cafés, Restaurants & Bars	3
Asia	Conglomerate	3
Asia	Construction	2

Task_09

Repeat that previous query, filtering for results having a count greater than 5

```
1  SELECT
2    continent,
3    category,
4    count(business) as n
5  FROM
6    businesses
7    INNER JOIN categories USING(category_code)
8    INNER JOIN countries USING(country_code)
9  GROUP BY
10   continent,
11   category
12  HAVING
13    count(business) > 5
14  ORDER BY
15    n DESC;
```

Result :

continent	category	n
Africa	Banking & Finance	17
Europe	Distillers, Vintners, & Breweries	12
Africa	Aviation & Transport	10
Africa	Postal Service	9
Europe	Manufacturing & Production	8
Asia	Aviation & Transport	7
Asia	Banking & Finance	6