

Quiz 6 Solutions

Mon Apr 27

The three tables below represent Artists, Museums, and Paintings. The Painting table contains foreign keys to the other tables, as indicated by the column header. All questions pertain *only* to the data provided here.

Artist	ID*	Last	First	Born	Died	Country
	1	Church	Frederic	1826/05/04	1900/04/07	US
	2	Degas	Edgar	1834/07/19	1917/09/27	FR
	3	van Gogh	Vincent	1853/03/30	1890/07/29	NL
	4	Mondrian	Piet	1872/03/07	1944/02/01	NL
	5	Monet	Claude	1840/11/14	1926/12/05	FR

Museum	ID*	Name	City	State	Country
	1	Getty Center	Los Angeles	CA	US
	2	Metropolitan Museum of Art	New York	NY	US
	3	Museum of Modern Art	New York	NY	US
	4	Musée d'Orsay	Paris	null	FR
	5	Yale Art Gallery	New Haven	CT	US

Painting	ID*	Year	Title	Artist↑	Museum↑
	1	1859	The Heart of the Andes	1	2
	2	1867	View of Cotopaxi	1	5
	3	1873	L'absinthe	2	4
	4	1877	Ballet Dancers Rehearsing	2	1
	5	1888	Starry Night over the Rhone	3	4
	6	1891	Wheatstacks	5	1
	7	1919	Water Lilies	5	2
	8	1929	Fox-Trot B	4	5
	9	1943	Broadway Boogie Woogie	4	3

1. Were all of the listed artists ever alive at the same time?

Yes. You can tell because the maximum birth year (1872) is less than the minimum death year (1890).

2. What paintings can I see at the Yale Art Gallery?

Yale is museum 5, which includes the paintings *View of Cotopaxi* and *Fox-Trot B*.

3. In which cities can I see the work of Degas?

Degas is artist 2, which corresponds to paintings 3 and 4 at museums 4 and 1. So the cities are Paris and Los Angeles.

4. In this database, what is the oldest painting that you can see in New York?

New York includes museums 2 and 3, which display paintings 1, 7, and 9. The oldest of these is *The Heart of the Andes*.

5. Which artists have paintings on display in their home country?

The only museums listed here are in the US and France, so we eliminate van Gogh and Mondrian. **Church** is displayed at the Met. L'absinthe by **Degas** is displayed in Paris (his home country). Monet is displayed only at the Getty, not his home country.