Exercises

ok → Make sure PostgreSQL works! Ask instructors for help! It will be close to impossible to complete the course without doing the exercises.

ok → Create a database using a query.

ok → Create the tables from the next page WITH constraints in the new database.

ok → Create the content for all of the tables.

ok → Create the following queries:

 ok → Add another column to the Product Table called Manufacturer as a VARCHAR(250) using the ALTER TABLE command.

 ok → Query all orders with the product names bought, and the amount bought for each product, as well as the order_number and customer email.

  → Explore the different types of joins, Inner, left outer, right outer and full outer.

→ Create a view with the query from above.

→ Query the new view but look for a specific order number.

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Create these tables with the same values

Customers Table

id [PK] integer	username character varying (50)	password character varying (50)	email character varying (355)	created_on timestamp without time zone	last_login timestamp without time zone
1	1 John	myPassW0rd	john@acme.com	2020-02-13 10:40:41.660572	[null]
2	2 Anne	SomePassword	anne@acme.com	2020-02-13 10:40:41.660572	[null]

Products Table

id [PK] integer	name character varying (150)	price real
1	1 Samsung Galaxy S20	7799.95
2	2 Samsung Galaxy S20 - Leathe…	799.95
3	3 iPhone 11 Pro	8899
4	4 iPhone 11 Pro - Leather Cover	399.5
5	5 Huawai P30 Lite	1664.5
6	6 Huawai P30 - Leather Cover	1664.5

Orders Table

id [PK] integer	order_number character (10)	customer_id integer
1	1 DA-0001234	1
2	2 DA-0001235	1
3	3 DE-0001236	2
4	4 DE-0001237	2

Order_Lines Table

id [PK] integer	order_id integer	product integer
1	1	1
2	2	1
3	3	1
4	4	3
5	5	3
6	6	4

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