

ITCS393 Database Systems Lab

Lab07: SET

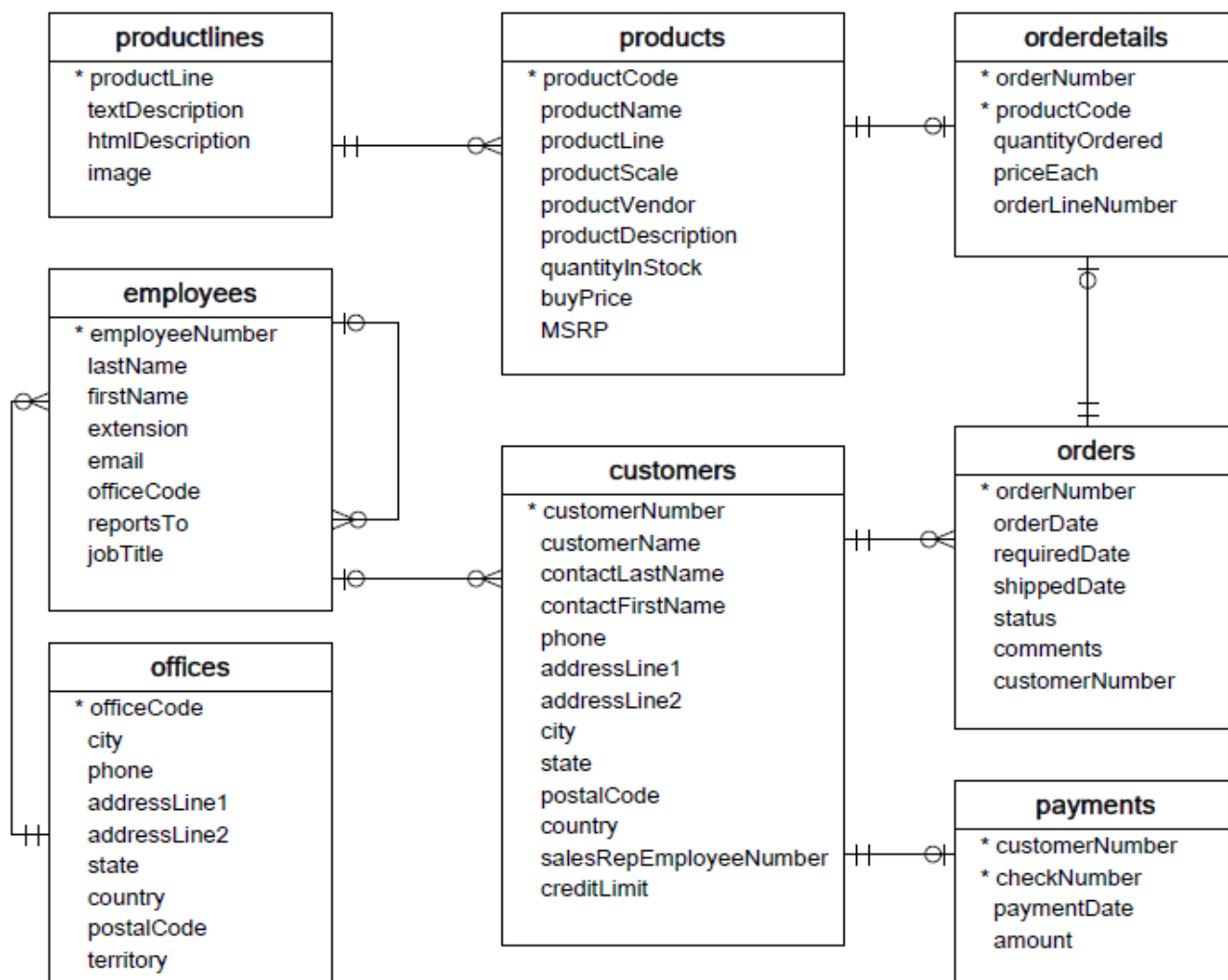
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Database: classicmodels



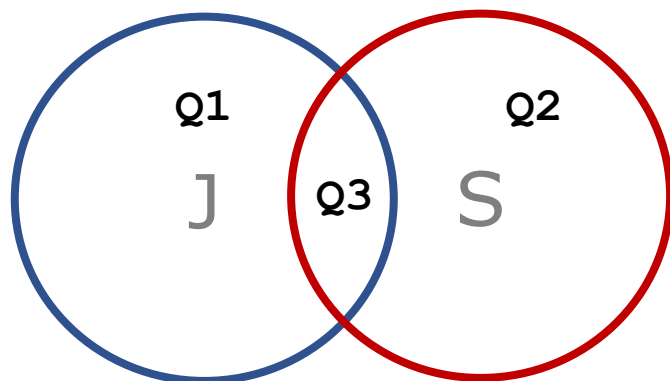
- **Customers:** stores customer's data.
- **Products:** stores a list of scale model cars.
- **ProductLines:** stores a list of product line categories.
- **Orders:** stores sales orders placed by customers.
- **OrderDetails:** stores sales order line items for each sales order.
- **Payments:** stores payments made by customers based on their accounts.
- **Employees:** stores all employee information as well as the organization structure such as who reports to whom.
- **Offices:** stores sales office data.

Lab 7 Instruction

Use the "classicmodels" database for the following queries:

Q1-Q4: According to the diagram, find the missing information for a managers who want to analyze **the total numbers and the list of products** selling in two countries:

J: Japan and S: Singapore



Lab 7 Instruction

Q1: Find the list of products that are sold to customers in Japan only (Not to Singaporean Customers)

Expected: 2 columns (productCode, productName)

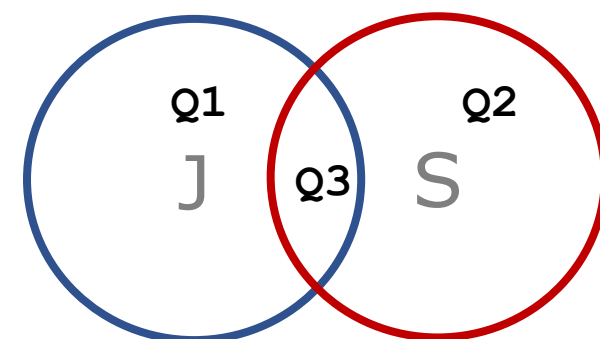
Q2: Find the list of products that are sold to customers in Singapore only (Not to Japanese customers)

Expected: 2 columns (productCode, productName)

Q3: Find the list of products that are sold to both customers in Japan and Singapore

Expected: 2 columns (productCode, productName)

Q4: How many of products in total that are sold to customers in Japan and Singapore?



Lab 7 Instruction

Q5: List all contact names and phone numbers of both customers and the employees in one result

Note

- Contact name of customers is derived from customers' contact firstname and lastname
- Contact name of employees is derived from their first name and last name
- Phone number of employees is combined from the office phone number and extension with dash, e.g.,
[phone number]-[extension]

Contact Name	Phone Number
Adrian Huxley	+61 2 9495 8555
Akiko Shimamura	+81 3 3584 0555
Alejandra Camino	(91) 745 6555
Alexander Feuer	0342-555176
Alexander Semenov	+7 812 293 0521
Allen Nelson	6175558555
Andy Fixter	+61 2 9264 2451-x101
Ann Brown	(171) 555-0297
Anna O'Hara	02 9936 8555
Annette Roulet	61.77.6555
Anthony Bow	+1 650 219 4782-x5428
Armand Kuger	+27 21 550 3555
Arnold Cruz	+63 2 555 3587
Barry Jones	+44 20 7877 2041-x102
Ben Calaghan	61-7-3844-6555
Bradley Schuyler	+31 20 491 9555
Braun Urs	0452-076555
Brian Chandler	2155554369
Brydey Walker	+612 9411 1555
Carina Schmitt	40 32 2555

This is partial results

Expected: 2 columns, 145 rows

Lab 7 Instruction

Q6: Select top 3 of the most sold product (judged by the total numbers of quantity ordered) in the following product lines: Motorcycles, Classic Cars, and Vintage Cars respectively.

Expected: 4 columns, 9 rows

productCode	productName	productLine	totalQuantityOrdered
S10_1678	1969 Harley Davidson Ultimate Chopper	Motorcycles	1057
S24_1578	1997 BMW R 1100 S	Motorcycles	1033
S12_2823	2002 Suzuki XREO	Motorcycles	1028
S18_3232	1992 Ferrari 360 Spider red	Classic Cars	1808
S24_3856	1956 Porsche 356A Coupe	Classic Cars	1052
S10_4757	1972 Alfa Romeo GTA	Classic Cars	1030
S18_1342	1937 Lincoln Berline	Vintage Cars	1111
S18_3856	1941 Chevrolet Special Deluxe Cabriolet	Vintage Cars	1076
S50_1341	1930 Buick Marquette Phaeton	Vintage Cars	1074

Lab 7 Submission

- Put your name and ID in the comment
- **Submit your SQL file in MyCourses**, renamed as
L07grYidxx88xxx.sql
 - Y is your study Group
 - xx88xxx is your student ID