

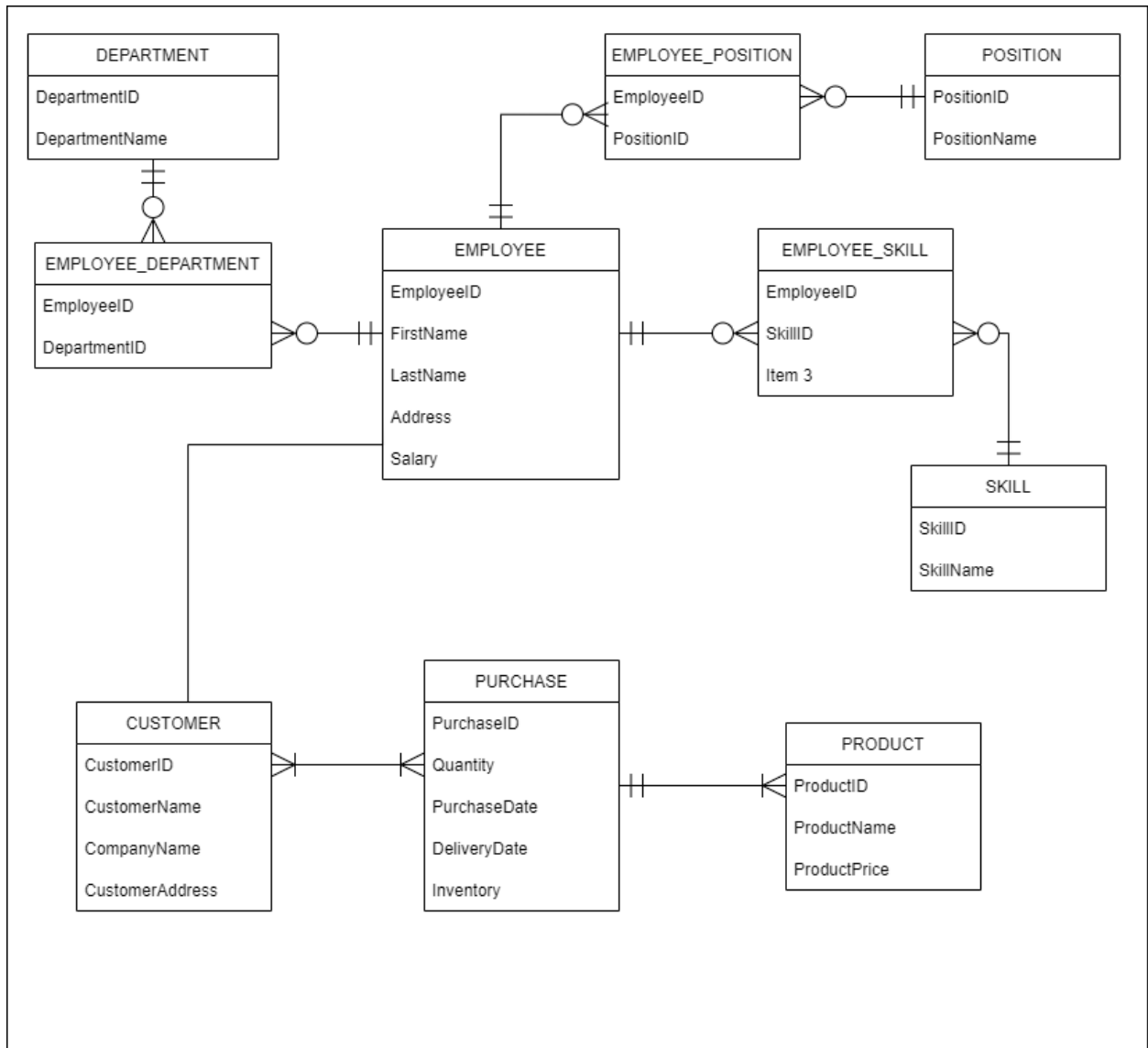
CST2355 - Database Systems

Assignment 2: Data Model and Design

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Data Model



Transformation Decisions

Entity / Relationship	Table / Relationship	Explanation
Employee	Employee	
Employee - Skill	Employee, Skill, Employee_Skill	EMPLOYEE entity splits into EMPLOYEE and SKILL tables with a EMPLOYEE - SKILL table relationship
Employee - Department	Employee, Department, Employee_Department	EMPLOYEE entity splits into EMPLOYEE and DEPARTMENT tables with a EMPLOYEE - DEPARTMENT table relationship
Employee - Position	Employee, Position, Employee_Position	EMPLOYEE entity splits into EMPLOYEE and POSITION tables with a EMPLOYEE - POSITION table relationship
Purchase	Purchase	
Purchase - Product	Purchase, Product	PURCHASE, PRODUCT entities split into PURCHASE and PRODUCT TABLES
Purchase - Customer	Purchase, Customer	PURCHASE, CUSTOMER entities split into PURCHASE and CUSTOMER TABLES

Table Characteristics

Table	Column	Key	Not NULL	Default	Data Type	Data Type SQLServer	Data Type MySQL
					Oracle		
Customer	CustomerID	PK	Yes	Null	number	Int	int
Customer	CustomerName			Null	varchar2	nvarchar	text
Customer	CompanyName			Null	varchar2	nvarchar	text
Customer	CustomerAddress			Null	varchar2	nvarchar	text
Department	DepartmentID	PK	Yes	Null	number	int	Int
Department	DepartmentName			Null	varchar2	nvarchar	text
Employee	EmployeeID	PK	Yes	Null	number	int	int
Employee	FirstName			Null	varchar2	nvarchar	text
Employee	LastName			Null	varchar2	nvarchar	text
Employee	Address			Null	varchar2	nvarchar	text
Employee	Salary			Null	number	float	int
Employee	CustomerID	FK		Null	number	int	int
Employee_Department	EmployeeID	PK	Yes	Null	number	Int	int
Employee_Department	DepartmentID	PK	Yes	Null	number	Int	int
Employee_Position	EmployeeID	PK	Yes	Null	number	Int	int
Employee_Position	PositionID	PK	Yes	Null	number	Int	int
Employee_Skill	EmployeeID	PK	Yes	Null	number	Int	int
Employee_Skill	SkillID	PK	Yes	Null	number	Int	int
Position	PositionID	PK	Yes	Null	number	Int	int
Position	PositionName			Null	varchar2	nvarchar	text
Product	ProductID	PK	Yes	Null	number	Int	int
Product	ProductName			Null	varchar2	nvarchar	text
Product	ProductPrice			Null	number	float	double
Purchase	PurchaseID	PK	Yes	Null	number	Int	int
Purchase	CustomerID	FK		Null	number	Int	int
Purchase	ProductID	FK		Null	number	Int	int
Purchase	Quantity			Null	number	float	int
Purchase	PurchaseDate			Null	date	datetime	datetime
Purchase	DeliveryDate			Null	date	datetime	datetime
Purchase	Inventory			Null	number	float	int
Skill	SkillID	PK	Yes	Null	number	Int	int
Skill	SkillName			Null	varchar2	nvarchar	text

Report Queries

Employee is Customer Report – For Microsoft and Oracle SQL, PRODUCTPRICE must be inserted into the end of the GROUP BY.

```
SELECT FIRSTNAME, LASTNAME, PRODUCTNAME, PRODUCTPRICE, COUNT(PRODUCTNAME) AS TOTALPURCHASED
FROM CUSTOMER C
JOIN EMPLOYEE E ON E.CUSTOMERID = C.CUSTOMERID
JOIN PURCHASE P ON P.CUSTOMERID = C.CUSTOMERID
JOIN PRODUCT PR ON PR.PRODUCTID = P.PRODUCTID
GROUP BY FIRSTNAME, LASTNAME, PRODUCTNAME;
```

Employee Salary Report

-For Microsoft SQL, the DATEDIFF includes a third parameter. Alias TOTALTAX could not be used in the second ROUND, so the content from the first ROUND was pasted in the place of SELECT ROUND.

-For Oracle, DATEDIFF is replaced with TRUNC(CURRENT_DATE - TO_DATE('2022/01/01')) and LIKE CONCAT is replaced with LIKE ('% ' || T.PROVINCE || ' %').

```
SELECT FIRSTNAME, LASTNAME, SALARY, ADDRESS, DEPARTMENTNAME AS DEPARTMENT,
ROUND (DATEDIFF(CURRENT_TIMESTAMP, '2022/01/01') * ((SALARY/365) * TAXRATE),2) AS TOTALTAX,
ROUND (DATEDIFF(CURRENT_TIMESTAMP, '2022/01/01') * (SALARY/365) - (SELECT TOTALTAX),2) AS TOTALPAID
FROM EMPLOYEE E
JOIN EMPLOYEE_DEPARTMENT ED ON ED.EMPLOYEEID = E.EMPLOYEEID
JOIN DEPARTMENT D ON D.DEPARTMENTID = ED.DEPARTMENTID
JOIN TAX T ON E.ADDRESS LIKE CONCAT('% ', T.PROVINCE, ' %');
```

Competency Tracking Report – Query works for all servers.

```
SELECT SKILLNAME AS Skill, COUNT(S.SKILLID) AS NumberOfEmployees
FROM SKILL S
JOIN EMPLOYEE_SKILL ES ON ES.SKILLID = S.SKILLID
GROUP BY SKILLNAME;
```

Last Year Monthly Purchase Report

-For Microsoft and Oracle SQL, P.PRODUCTID must be inserted into the end of the GROUP BY.

-For Oracle, for each subquery, LIKE CONCAT is replaced with LIKE ('% ' || T.PROVINCE || ' %') and MONTH is replaced by EXTRACT(MONTH FROM PU2.PURCHASEDATE).

```
SELECT PROVINCE, P.PRODUCTNAME,
(SELECT COUNT(PURCHASEID) FROM PURCHASE PU2
JOIN CUSTOMER C ON C.CUSTOMERID = PU2.CUSTOMERID
WHERE C.CUSTOMERADDRESS LIKE CONCAT('% ', T.PROVINCE, ' %') AND PU2.PRODUCTID = P.PRODUCTID AND
MONTH(PU2.PURCHASEDATE) = 1) AS JANUARY,
(SELECT COUNT(PURCHASEID) FROM PURCHASE PU2
JOIN CUSTOMER C ON C.CUSTOMERID = PU2.CUSTOMERID
WHERE C.CUSTOMERADDRESS LIKE CONCAT('% ', T.PROVINCE, ' %') AND PU2.PRODUCTID = P.PRODUCTID AND
MONTH(PU2.PURCHASEDATE) = 2) AS FEBRUARY,
(SELECT COUNT(PURCHASEID) FROM PURCHASE PU2
JOIN CUSTOMER C ON C.CUSTOMERID = PU2.CUSTOMERID
WHERE C.CUSTOMERADDRESS LIKE CONCAT('% ', T.PROVINCE, ' %') AND PU2.PRODUCTID = P.PRODUCTID AND
MONTH(PU2.PURCHASEDATE) = 3) AS MARCH,
(SELECT COUNT(PURCHASEID) FROM PURCHASE PU2
JOIN CUSTOMER C ON C.CUSTOMERID = PU2.CUSTOMERID
WHERE C.CUSTOMERADDRESS LIKE CONCAT('% ', T.PROVINCE, ' %') AND PU2.PRODUCTID = P.PRODUCTID AND
MONTH(PU2.PURCHASEDATE) = 4) AS APRIL,
(SELECT COUNT(PURCHASEID) FROM PURCHASE PU2
JOIN CUSTOMER C ON C.CUSTOMERID = PU2.CUSTOMERID
WHERE C.CUSTOMERADDRESS LIKE CONCAT('% ', T.PROVINCE, ' %') AND PU2.PRODUCTID = P.PRODUCTID AND
MONTH(PU2.PURCHASEDATE) = 5) AS MAY,
(SELECT COUNT(PURCHASEID) FROM PURCHASE PU2
JOIN CUSTOMER C ON C.CUSTOMERID = PU2.CUSTOMERID
WHERE C.CUSTOMERADDRESS LIKE CONCAT('% ', T.PROVINCE, ' %') AND PU2.PRODUCTID = P.PRODUCTID AND
MONTH(PU2.PURCHASEDATE) = 6) AS JUNE,
(SELECT COUNT(PURCHASEID) FROM PURCHASE PU2
JOIN CUSTOMER C ON C.CUSTOMERID = PU2.CUSTOMERID
WHERE C.CUSTOMERADDRESS LIKE CONCAT('% ', T.PROVINCE, ' %') AND PU2.PRODUCTID = P.PRODUCTID AND
MONTH(PU2.PURCHASEDATE) = 7) AS JULY,
(SELECT COUNT(PURCHASEID) FROM PURCHASE PU2
```

```

JOIN CUSTOMER C ON C.CUSTOMERID = PU2.CUSTOMERID

WHERE C.CUSTOMERADDRESS LIKE CONCAT('% ', T.PROVINCE, ' %') AND PU2.PRODUCTID = P.PRODUCTID AND
MONTH(PU2.PURCHASEDATE) = 8) AS AUGUST,

(SELECT COUNT(PURCHASEID) FROM PURCHASE PU2

JOIN CUSTOMER C ON C.CUSTOMERID = PU2.CUSTOMERID

WHERE C.CUSTOMERADDRESS LIKE CONCAT('% ', T.PROVINCE, ' %') AND PU2.PRODUCTID = P.PRODUCTID AND
MONTH(PU2.PURCHASEDATE) = 9) AS SEPTEMBER,

(SELECT COUNT(PURCHASEID) FROM PURCHASE PU2

JOIN CUSTOMER C ON C.CUSTOMERID = PU2.CUSTOMERID

WHERE C.CUSTOMERADDRESS LIKE CONCAT('% ', T.PROVINCE, ' %') AND PU2.PRODUCTID = P.PRODUCTID AND
MONTH(PU2.PURCHASEDATE) = 10) AS OCTOBER,

(SELECT COUNT(PURCHASEID) FROM PURCHASE PU2

JOIN CUSTOMER C ON C.CUSTOMERID = PU2.CUSTOMERID

WHERE C.CUSTOMERADDRESS LIKE CONCAT('% ', T.PROVINCE, ' %') AND PU2.PRODUCTID = P.PRODUCTID AND
MONTH(PU2.PURCHASEDATE) = 11) AS NOVEMBER,

(SELECT COUNT(PURCHASEID) FROM PURCHASE PU2

JOIN CUSTOMER C ON C.CUSTOMERID = PU2.CUSTOMERID

WHERE C.CUSTOMERADDRESS LIKE CONCAT('% ', T.PROVINCE, ' %') AND PU2.PRODUCTID = P.PRODUCTID AND
MONTH(PU2.PURCHASEDATE) = 12) AS DECEMBER,

(SELECT COUNT(PURCHASEID) FROM PURCHASE PU2

JOIN CUSTOMER C ON C.CUSTOMERID = PU2.CUSTOMERID

WHERE C.CUSTOMERADDRESS LIKE CONCAT('% ', T.PROVINCE, ' %') AND PU2.PRODUCTID = P.PRODUCTID) AS TOTAL

FROM TAX T

LEFT JOIN PRODUCT P ON PRODUCTNAME IS NOT NULL

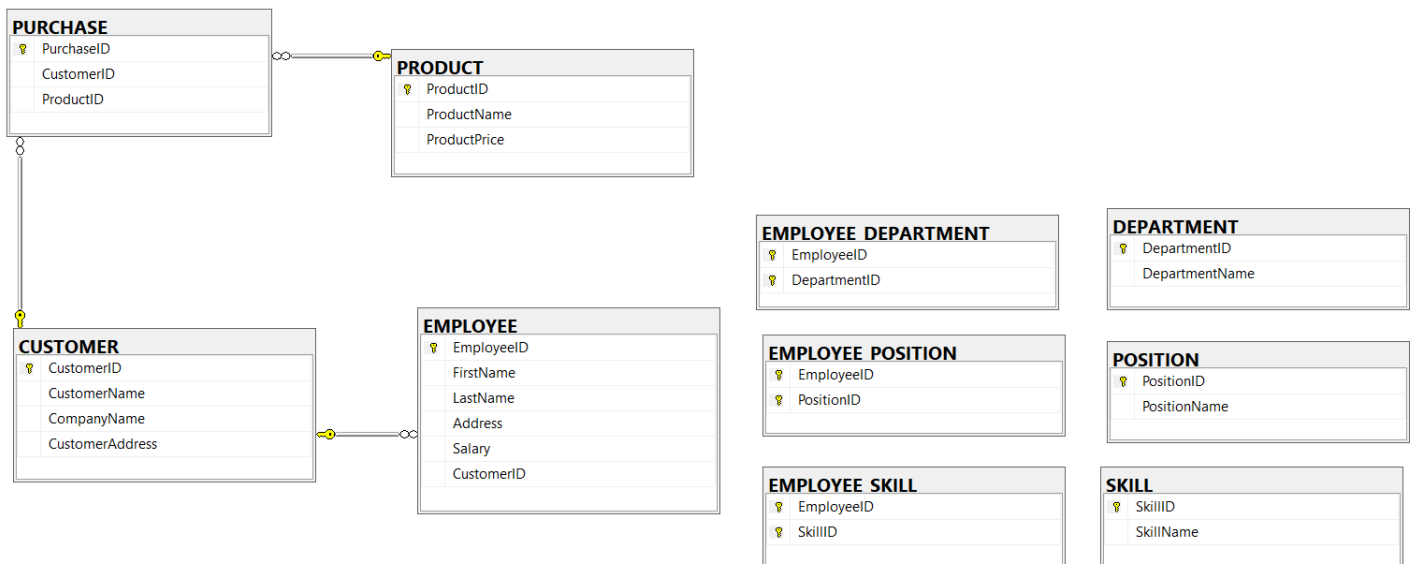
LEFT JOIN PURCHASE PU ON PU.PRODUCTID = P.PRODUCTID

GROUP BY PRODUCTNAME, PROVINCE;

```

Microsoft SQL Server

Database Design Diagram



Tables and Data

PositionID	PositionName
1	Engineer
2	Trainer
3	Accounts clerk
4	Stats Clerk
5	Clerk
6	Actuary
7	Advertising Manager
8	Process Worker
9	Accountant
10	Administration
11	Administration Level 3
12	Safety Worker
13	Administration Level 1
14	Administration assistant
15	Junior Anaylst
16	Administration Level 2
17	Media Planner
18	Level 5 Administration
19	Advertising specialist

ProductID	ProductName	ProductPrice
1	Paper Toffee	20.26
2	Gummy Wire	14.99
3	Car Battery	45.53
4	Automobile Model	80.63
5	Model Train Kit	99
6	Red Wine	56.77
7	Waterpark Weekend Pass	55
8	Toy Soldiers	25
9	Model Airplane Kit	156.3
10	\$10 Gift Card	10
11	Organic Shopping Bag	20.95
12	Hard Gummy Balls	45
13	Miscellaneous	45
14	Black Mobile Skin	14.59
15	Chocolate Coin Mints	33
16	Fishing Rod	182.1
17	Plastic Bags	3.7
18	White Wine	10

SkillID	SkillName
1	Marketing
2	Operations
3	Accounting

DepartmentID	DepartmentName
1	Software
2	Training
3	Operations
4	Finance
5	Administration
6	Sales
7	Marketing
8	Human Resources
9	Safety
10	Maintenance
11	Front Desk

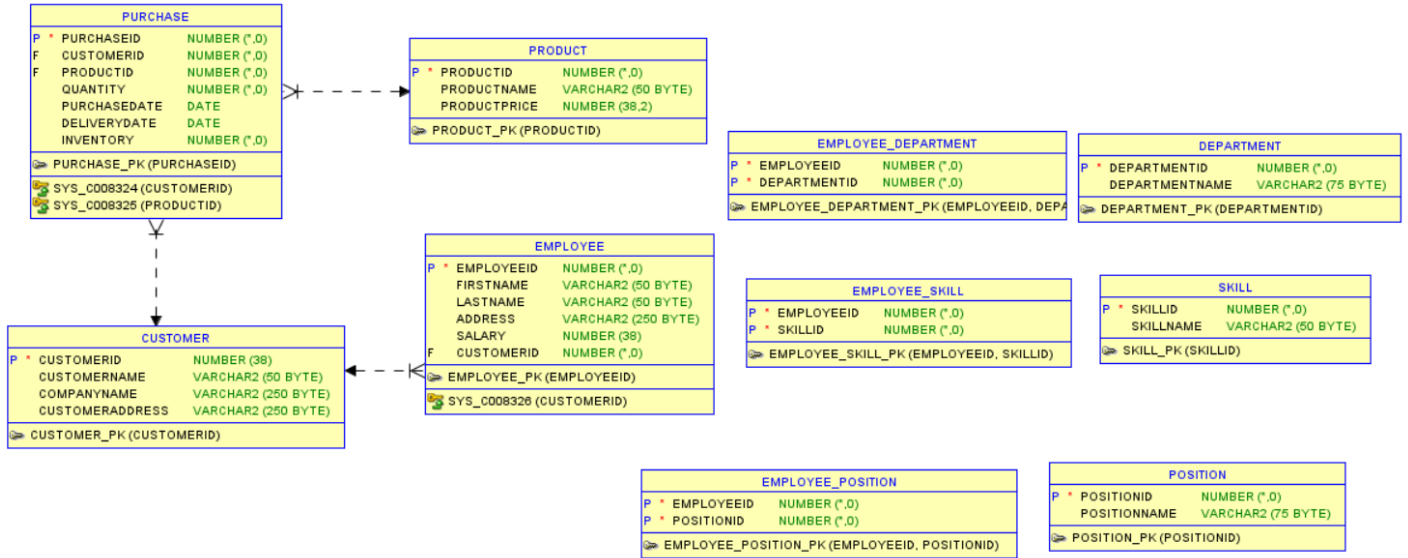
CustomerID	CustomerName	CompanyName	CustomerAddress
1	Andy Christer	NULL	765 Rock Island Rd, Strathroy, ON N7G 3K6
2	Aphollo Wayne	Kitchen People	3 E 31st St #77, Fredericton, NB E3G 0A3
3	Blanche Dundas	Adams Balcom & Larose Pc	2 Sutton Pl S #5727, Rouyn-Noranda, QC J9X 3V4
4	Chandra Lagotte	Meredith Realty Group Inc	7 N Dean St, Etobicoke, ON M8Z 3P6
5	Corrie Kardell	NULL	75 Westchester Ave, Pierrefonds, QC H9J 1W6
6	Cristopher Pakalec	Cgi Systems Inc	85 S State St, Barrie, ON L4N 6T7
7	Danny Proud	NULL	6857 Wall St, Red Deer, AB T4R 2H5
8	Felton Yafer	NULL	202 Madison Ave, Ottawa, ON K1Y 1M2
9	George Brane	All Brevard Cert Apprsls Inc	100 Main St, Calgary, AB T2K 4X5
10	Holly Standman	NULL	5174 Interstate 45 N, Yellowhead County, AB T7E ...
11	Huey Market	Southern Idaho Pipe & Stl Corp	169 Journal Sq, Edmonton, AB T5P 1G9
12	Kim Rabu	NULL	89 W 35th St #1, Windsor, ON N8S 3R1
13	Laura Randalie	Judy, Henry L Esq	4207 Leon Rd, North Vancouver, BC V7L 3X6
14	Leanna Tijerina	NULL	2859 Dorsett Rd, North York, ON M9L 2T9
15	Lisa Michelle	NULL	88 E Saint Elmo Rd, Hamilton, ON L8R 3J3
16	Lori Beggon	Barry, Anthony S Esq	7564 N Academy Ave, London, ON N6A 1S5
17	Lyle Fuccate	NULL	7979 33 191, North River, NS B6L 6N1
18	Tish Purple	NULL	1 Norris Ave #4095, Laval, QC H7W 5K7
19	Valentino Bullum	General Color Co Inc	6185 Bohn St #72, Pangman, SK S0C 2C0
20	Willard White	Mershon Metal Specialties Inc	1534 Sidco Dr, Leduc, AB T9E 5A6

EmployeeID	FirstName	LastName	Address	Salary	CustomerID
1	Barney	Hagen	6335 Fort Myer Dr, Saint-Hyacinthe, QC J2S 2N3	99207	NULL
2	Lourdes	Bauswell	9547 Belmont Rd #21, Belleville, ON K8P 1B3	40926	NULL
3	Belen	Nelton	77 Central Pky N, Quesnel, BC V2J 1N4	133526	NULL
4	Hortencia	Bresser	808 Calle De Industrias, New Waterford, NS B1H 1Z4	47153	NULL
5	Chandra	Lagos	7 N Dean St, Etobicoke, ON M8Z 3P6	62893	NULL
6	Andree	Christmann	765 Rock Island Rd, Strathroy, ON N7G 3K6	42435	NULL
7	Crissy	Pacholec	85 S State St, Barrie, ON L4N 6T7	136819	NULL
8	Dell	Polino	56 Corporate Dr, Becancour, QC G9H 1H7	104132	NULL
9	Hannah	Edmison	73 Pittsford Victor Rd, Vancouver, BC V5Z 3K2	44077	NULL
10	Francoise	Rautenstrauch	2335 Canton Hwy #6, Windsor, ON N8N 3N2	36359	NULL
11	Lyla	Fucillo	7979 33 191, North River, NS B6L 6N1	47179	NULL
12	Gianna	Branin	100 Main St, Calgary, AB T2K 4X5	196144	NULL
13	Hui	Portaro	3 Mill Rd, Baker Brook, NB E7A 1T3	71552	NULL
14	Ilona	Dudash	2 Sutton Pl S #5727, Rouyn-Noranda, QC J9X 3V4	43983	NULL
15	Josefa	Opitz	136 W Grand Ave #3, Delhi, ON N4B 1C4	105107	NULL
16	Corrie	Kardell	75 Westchester Ave, Pierrefonds, QC H9J 1W6	54990	5
17	Queenie	Kramarczyk	47 Garfield Ave, Swift Current, SK S9H 4V2	47833	NULL
18	Laurena	Begin	7564 N Academy Ave, London, ON N6A 1S5	47529	NULL
19	Laurn	Randol	4207 Leon Rd, North Vancouver, BC V7L 3X6	45784	NULL
20	Lea	Steinhaus	80 Maplewood Dr #34, Bradford, ON L3Z 2S4	77421	NULL
21	Lenita	Darbro	2726 Franklin Hill Rd, Vernon, BC V1T 7V8	75029	NULL
22	Tom	Loeza	447 Commercial St Se, Lille-Perrot, QC J7V 4T4	43545	NULL
23	Kendra	Loud	6 Arch St #9757, Alcida, NB E8J 2C4	40954	NULL
24	Huey	Marcille	169 Journal Sq, Edmonton, AB T5P 1G9	36624	NULL
25	Matthew	Armacost	220 Old Us Highway 441, Peterborough, ON K9H 6C3	73412	NULL
26	Elise	Michelle	88 E Saint Elmo Rd, Hamilton, ON L8R 3J3	58373	NULL
27	Nohemi	Leko	37 Us Highway 12e E #6, Sault Ste. Marie, ON P6C ...	58258	NULL
28	Danilo	Pride	6857 Wall St, Red Deer, AB T4R 2H5	34736	NULL
29	Kimberely	Rabuse	89 W 35th St #1, Windsor, ON N8S 3R1	65541	NULL
30	Renato	Airhart	1 Vernon Blvd, Calgary, AB T2A 2H9	35808	NULL
31	Hollis	Stanfield	5174 Interstate 45 N, Yellowhead County, AB T7E 3A7	85567	NULL
32	Tambra	Lembke	6734 W Jackson Blvd, Salmon Arm, BC V1E 4G9	73201	NULL
33	Leanna	Tijerina	2859 Dorsett Rd, North York, ON M9L 2T9	64667	14
34	Valentin	Billa	6185 Bohn St #72, Pangman, SK S0C 2C0	35944	NULL
35	Vicki	Maikoksoong	7 Tomahawk Dr, Richmond, BC V7A 3N1	31358	NULL
36	Paola	Vielma	58 Hancock St, Aurora, ON L4G 2J7	115908	NULL
37	Tish	Violett	1 Norris Ave #4095, Laval, QC H7W 5K7	64863	NULL
38	Apolonia	Warne	3 E 31st St #77, Fredericton, NB E3G 0A3	51681	NULL
39	Willard	Lablanc	1534 Sidco Dr, Leduc, AB T9E 5A6	43604	NULL
40	Felton	Yafuso	202 Madison Ave, Ottawa, ON K1Y 1M2	70895	NULL

EmployeeID	PositionID	EmployeeID	SkillID	EmployeeID	DepartmentID	PurchaseID	CustomerID	ProductID	Quantity	PurchaseDate	DeliveryDate	Inventory
1	1	1	1	1	1	1	1	1	1	2016-01-22 00:00:00.000	2016-02-14 00:00:00.000	108
2	2	2	2	2	2	2	1	2	1	2016-03-03 00:00:00.000	2016-03-03 00:00:00.000	128
3	1	3	1	3	1	3	1	3	1	2016-06-09 00:00:00.000	2016-06-09 00:00:00.000	148
4	3	4	2	4	4	4	1	2	1	2016-08-30 00:00:00.000	2016-09-20 00:00:00.000	168
5	4	5	2	5	5	5	1	4	1	2016-11-07 00:00:00.000	2016-12-22 00:00:00.000	188
6	5	6	1	6	3	6	2	2	1	2016-01-21 00:00:00.000	2016-02-13 00:00:00.000	106
7	6	7	1	7	4	7	2	3	1	2016-02-22 00:00:00.000	2016-02-22 00:00:00.000	126
8	7	7	2	8	6	8	2	5	1	2016-06-09 00:00:00.000	2016-07-01 00:00:00.000	146
9	2	8	1	8	7	9	2	6	1	2016-08-24 00:00:00.000	2016-09-12 00:00:00.000	166
10	8	8	2	9	2	10	2	4	1	2016-11-05 00:00:00.000	2016-12-20 00:00:00.000	186
11	5	9	2	10	3	11	3	7	1	2016-01-23 00:00:00.000	2016-02-16 00:00:00.000	111
12	6	10	1	11	3	12	3	7	1	2016-03-06 00:00:00.000	2016-03-06 00:00:00.000	131
13	9	11	1	12	4	13	3	3	1	2016-06-10 00:00:00.000	2016-06-10 00:00:00.000	151
14	10	12	1	13	4	14	3	8	1	2016-09-07 00:00:00.000	2016-10-18 00:00:00.000	171
15	9	12	2	14	11	15	3	3	1	2016-11-12 00:00:00.000	2016-12-19 00:00:00.000	191
16	11	13	2	15	4	16	4	2	1	2016-01-21 00:00:00.000	2016-02-05 00:00:00.000	105
17	12	14	1	16	8	17	4	1	1	2016-02-22 00:00:00.000	2016-03-26 00:00:00.000	125
18	13	14	2	17	9	18	4	6	1	2016-06-07 00:00:00.000	2016-06-26 00:00:00.000	145
19	14	14	3	17	10	19	4	2	1	2016-08-18 00:00:00.000	2016-09-07 00:00:00.000	165
20	9	15	2	18	8	20	4	4	1	2016-11-02 00:00:00.000	2016-12-19 00:00:00.000	185
21	1	16	1	19	3	21	5	3	1	2016-02-15 00:00:00.000	2016-02-22 00:00:00.000	117
22	12	16	2	20	4	22	5	2	1	2016-04-24 00:00:00.000	2016-06-10 00:00:00.000	137
23	8	16	3	21	1	23	5	2	1	2016-06-26 00:00:00.000	2016-06-26 00:00:00.000	157
24	15	17	2	22	9	24	5	9	1	2016-10-16 00:00:00.000	2016-10-16 00:00:00.000	177
25	1	18	1	23	3	25	5	4	1	2016-12-07 00:00:00.000	2016-12-07 00:00:00.000	197
26	16	18	2	24	1	26	6	2	1	2016-01-06 00:00:00.000	2016-01-22 00:00:00.000	101
27	17	18	3	25	1	27	6	6	1	2016-02-17 00:00:00.000	2016-03-04 00:00:00.000	121
28	15	19	1	26	8	28	6	9	1	2016-06-02 00:00:00.000	2016-06-11 00:00:00.000	141
29	11	19	2	27	6	29	6	2	1	2016-07-13 00:00:00.000	2016-08-28 00:00:00.000	161
30	2	19	3	28	1	30	6	10	1	2016-10-26 00:00:00.000	2016-10-26 00:00:00.000	181
31	18	20	2	29	8	31	7	11	1	2016-02-16 00:00:00.000	2016-02-26 00:00:00.000	119
32	19	21	1	30	2	32	7	2	1	2016-05-26 00:00:00.000	2016-06-10 00:00:00.000	139
33	3	22	2	31	8	33	7	1	1	2016-07-12 00:00:00.000	2016-08-18 00:00:00.000	159
34	10	23	2	32	6	34	7	4	1	2016-10-24 00:00:00.000	2016-10-24 00:00:00.000	179
35	2	24	2	32	7	35	7	4	1	2016-12-10 00:00:00.000	2016-12-10 00:00:00.000	199
36	9	25	1	33	4	36	8	10	1	2016-02-15 00:00:00.000	2016-02-22 00:00:00.000	118
37	18	26	1	34	11	37	8	2	1	2016-04-26 00:00:00.000	2016-06-10 00:00:00.000	138
38	5	26	2	35	2	38	8	12	1	2016-07-01 00:00:00.000	2016-07-01 00:00:00.000	158
39	14	26	3	36	4	39	8	7	1	2016-10-18 00:00:00.000	2016-10-18 00:00:00.000	178
40	7	27	1	37	8	40	8	1	1	2016-12-09 00:00:00.000	2016-12-09 00:00:00.000	198
		28	2	38	5	41	9	12	1	2016-01-21 00:00:00.000	2016-02-13 00:00:00.000	107
		29	1	39	3	42	9	3	1	2016-02-26 00:00:00.000	2016-02-26 00:00:00.000	127
		29	2	40	7	43	9	10	1	2016-06-09 00:00:00.000	2016-06-09 00:00:00.000	147
		29	3			44	9	13	1	2016-08-28 00:00:00.000	2016-09-17 00:00:00.000	167
		30	1			45	9	7	1	2016-11-06 00:00:00.000	2016-12-20 00:00:00.000	187
		31	1			46	10	7	1	2016-01-22 00:00:00.000	2016-02-15 00:00:00.000	110
		31	2			47	10	13	1	2016-03-04 00:00:00.000	2016-03-04 00:00:00.000	130
		32	1			48	10	7	1	2016-06-10 00:00:00.000	2016-06-10 00:00:00.000	150
		33	2			49	10	9	1	2016-09-03 00:00:00.000	2016-10-16 00:00:00.000	170
		34	1			50	10	7	1	2016-11-12 00:00:00.000	2016-12-10 00:00:00.000	190
		34	2			51	11	14	1	2016-02-05 00:00:00.000	2016-02-17 00:00:00.000	113
		35	1			52	11	2	1	2016-03-26 00:00:00.000	2016-06-07 00:00:00.000	133
		36	2			53	11	3	1	2016-06-11 00:00:00.000	2016-06-11 00:00:00.000	153
		37	1			54	11	7	1	2016-09-17 00:00:00.000	2016-10-24 00:00:00.000	173
		37	2			55	11	1	1	2016-11-22 00:00:00.000	2016-12-20 00:00:00.000	193
		37	3			56	12	2	1	2016-01-12 00:00:00.000	2016-01-23 00:00:00.000	103
		38	2			57	12	11	1	2016-02-19 00:00:00.000	2016-03-06 00:00:00.000	123
		39	1			58	12	3	1	2016-06-05 00:00:00.000	2016-06-14 00:00:00.000	143
		39	2			59	12	15	1	2016-07-27 00:00:00.000	2016-09-01 00:00:00.000	163
		40	1			60	12	6	1	2016-10-26 00:00:00.000	2016-12-10 00:00:00.000	183
						61	13	15	1	2016-01-05 00:00:00.000	2016-01-22 00:00:00.000	100
						62	13	2	1	2016-02-16 00:00:00.000	2016-03-03 00:00:00.000	120
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						67	14	11	1	2016-02-19 00:00:00.000	2016-03-08 00:00:00.000	124
						68	14	3	1	2016-06-05 00:00:00.000	2016-06-19 00:00:00.000	144
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						70	14	7	1	2016-10-27 00:00:00.000	2016-12-19 00:00:00.000	184
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						75	15	17	1	2016-11-08 00:00:00.000	2016-12-22 00:00:00.000	189
						76	16	2	1	2016-01-26 00:00:00.000	2016-02-16 00:00:00.000	112
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						79	16	13	1	2016-09-12 00:00:00.000	2016-10-24 00:00:00.000	172
						80	16	17	1	2016-11-20 00:00:00.000	2016-12-19 00:00:00.000	192
						81	17	7	1	2016-02-13 00:00:00.000	2016-02-18 00:00:00.000	114
						82	17	1	1	2016-04-13 00:00:00.000	2016-06-09 00:00:00.000	134
						83	17	3	1	2016-06-13 00:00:00.000	2016-06-13 00:00:00.000	154
						84	17	3	1	2016-09-20 00:00:00.000	2016-10-26 00:00:00.000	174
						85	17	2	1	2016-11-25 00:00:00.000	2016-12-20 00:00:00.000	194
						86	18	1	1	2016-01-07 00:00:00.000	2016-01-22 00:00:00.000	102
						87	18	6	1	2016-02-18 00:00:00.000	2016-03-04 00:00:00.000	122
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						89	18	2	1	2016-07-26 00:00:00.000	2016-08-30 00:00:00.000	162
						90	18	2	1	2016-10-26 00:00:00.000	2016-10-26 00:00:00.000	182
						91	19	7	1	2016-02-14 00:00:00.000	2016-02-19 00:00:00.000	116
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						93	19	18	1	2016-06-19 00:00:00.000	2016-06-19 00:00:00.000	156
						94	19	2	1	2016-09-22 00:00:00.000	2016-09-22 00:00:00.000	176
						95	19	7	1	2016-12-06 00:00:00.000	2016-12-22 00:00:00.000	196
						96	20	10	1	2016-02-13 00:00:00.000	2016-02-19 00:00:00.000	115

Oracle

Database Design Diagram



Tables and Data

POSITIONID	POSITIONNAME	DEPARTMENTID	DEPARTMENTNAME	SKILLID	SKILLNAME	PRODUCTID	PRODUCTNAME	PRODUCTPRICE
1	Engineer	1	Software	1	Marketing	1	Paper Toffee	20.26
2	Trainer	2	Training	2	Operations	2	Gummy Wire	14.99
3	Accounts clerk	3	Operations	3	Accounting	3	Car Battery	45.53
4	Stats Clerk	4	Finance			4	Automobile Model	80.63
5	Clerk	5	Administration			5	Model Train Kit	99
6	Actuary	6	Sales			6	Red Wine	56.77
7	Advertising Manager	7	Marketing			7	Waterpark Weekend Pass	55
8	Process Worker	8	Human Resources			8	Toy Soldiers	25
9	Accountant	9	Safety			9	Model Airplane Kit	156.3
10	Administration	10	Maintenance			10	\$10 Gift Card	10
11	Administration Level 3	11	Front Desk			11	Organic Shopping Bag	20.95
12	Safety Worker					12	Hard Gummy Balls	45
13	Administration Level 1					13	Miscellaneous	45
14	Administration assistant					14	Black Mobile Skin	14.59
15	Junior Anaylst					15	Chocolate Coin Mints	33
16	Administration Level 2					16	Fishing Rod	182.1
17	Media Planner					17	Plastic Bags	3.7
18	Level 5 Administration					18	White Wine	10
19	Advertising specialist							

❖ CUSTOMERID	❖ CUSTOMERNAME	❖ COMPANYNAME	❖ CUSTOMERADDRESS
1	Andy Christer	(null)	765 Rock Island Rd, Strathroy, ON N7G 3K6
2	Aphollo Wayne	Kitchen People	3 E 31st St #77, Fredericton, NB E3G 0A3
3	Blanche Dundas	Adams Balcom & Larose Pc	2 Sutton Pl S #5727, Rouyn-Noranda, QC J9X 3V4
4	Chandra Lagotte	Meredith Realty Group Inc	7 N Dean St, Etobicoke, ON M8Z 3P6
5	Corrie Kardell	(null)	75 Westchester Ave, Pierrefonds, QC H9J 1W6
6	Cristopher Pakalec	Cgi Systems Inc	85 S State St, Barrie, ON L4N 6T7
7	Danny Proud	(null)	6857 Wall St, Red Deer, AB T4R 2H5
8	Felton Yafer	(null)	202 Madison Ave, Ottawa, ON K1Y 1M2
9	George Brane	All Brevard Cert Apprsls Inc	100 Main St, Calgary, AB T2K 4X5
10	Holly Standman	(null)	5174 Interstate 45 N, Yellowhead County, AB T7E 3A7
11	Huey Market	Southern Idaho Pipe & Stl Corp	169 Journal Sq, Edmonton, AB T5P 1G9
12	Kim Rabu	(null)	89 W 35th St #1, Windsor, ON N8S 3R1
13	Laura Randalle	Judy, Henry L Esq	4207 Leon Rd, North Vancouver, BC V7L 3X6
14	Leanna Tijerina	(null)	2859 Dorsett Rd, North York, ON M9L 2T9
15	Lisa Michelle	(null)	88 E Saint Elmo Rd, Hamilton, ON L8R 3J3
16	Lori Beggon	Barry, Anthony S Esq	7564 N Academy Ave, London, ON N6A 1S5
17	Lyle Fuccate	(null)	7979 33 191, North River, NS B6L 6N1
18	Tish Purple	(null)	1 Norris Ave #4095, Laval, QC H7W 5K7
19	Valentino Bullum	General Color Co Inc	6185 Bohn St #72, Pangman, SK S0C 2C0
20	Willard White	Mershon Metal Specialties Inc	1534 Sidco Dr, Leduc, AB T9E 5A6

❖ EMPLOYEEID	❖ FIRSTNAME	❖ LASTNAME	❖ ADDRESS	❖ SALARY	❖ CUSTOMERID
1	Barney	Hagen	6335 Fort Myer Dr, Saint-Hyacinthe, QC J2S 2N3	99207	(null)
2	Lourdes	Bauswell	9547 Belmont Rd #21, Belleville, ON K8P 1B3	40926	(null)
3	Belen	Nelton	77 Central Pky N, Quesnel, BC V2J 1N4	133526	(null)
4	Hortencia	Bresser	808 Calle De Industrias, New Waterford, NS B1H 1Z4	47153	(null)
5	Chandra	Lagos	7 N Dean St, Etobicoke, ON M8Z 3P6	62893	(null)
6	Andree	Christmann	765 Rock Island Rd, Strathroy, ON N7G 3K6	42435	(null)
7	Crissy	Pacholec	85 S State St, Barrie, ON L4N 6T7	136819	(null)
8	Dell	Polino	56 Corporate Dr, Becancour, QC G9H 1H7	104132	(null)
9	Hannah	Edmison	73 Pittsford Victor Rd, Vancouver, BC V5Z 3K2	44077	(null)
10	Francoise	Rautenstrauch	2335 Canton Hwy #6, Windsor, ON N8N 3N2	36359	(null)
11	Lyla	Fucillo	7979 33 191, North River, NS B6L 6N1	47179	(null)
12	Gianna	Branin	100 Main St, Calgary, AB T2K 4X5	196144	(null)
13	Hui	Portaro	3 Mill Rd, Baker Brook, NB E7A 1T3	71552	(null)
14	Ilona	Dudash	2 Sutton Pl S #5727, Rouyn-Noranda, QC J9X 3V4	43983	(null)
15	Josefa	Opitz	136 W Grand Ave #3, Delhi, ON N4B 1C4	105107	(null)
16	Corrie	Kardell	75 Westchester Ave, Pierrefonds, QC H9J 1W6	54990	5
17	Queenie	Kramarczyk	47 Garfield Ave, Swift Current, SK S9H 4V2	47833	(null)
18	Laurena	Begin	7564 N Academy Ave, London, ON N6A 1S5	47529	(null)
19	Lauryn	Randol	4207 Leon Rd, North Vancouver, BC V7L 3X6	45784	(null)
20	Lea	Steinhaus	80 Maplewood Dr #34, Bradford, ON L3Z 2S4	77421	(null)
21	Lenita	Darbro	2726 Franklin Hill Rd, Vernon, BC V1T 7V8	75029	(null)
22	Tom	Loeza	447 Commercial St Se, Lile-Perrot, QC J7V 4T4	43545	(null)
23	Kendra	Loud	6 Arch St #9757, Alcida, NB E8J 2C4	40954	(null)
24	Huey	Marcille	169 Journal Sq, Edmonton, AB T5P 1G9	36624	(null)
25	Matthew	Armacost	220 Old Us Highway 441, Peterborough, ON K9H 6C3	73412	(null)
26	Elise	Michelle	88 E Saint Elmo Rd, Hamilton, ON L8R 3J3	58373	(null)
27	Nohemi	Leko	37 Us Highway 12e E #6, Sault Ste. Marie, ON P6C 2C8	58258	(null)
28	Danilo	Pride	6857 Wall St, Red Deer, AB T4R 2H5	34736	(null)
29	Kimberely	Rabuse	89 W 35th St #1, Windsor, ON N8S 3R1	65541	(null)
30	Renato	Airhart	1 Vernon Blvd, Calgary, AB T2A 2H9	35808	(null)
31	Hollis	Stanfield	5174 Interstate 45 N, Yellowhead County, AB T7E 3A7	85567	(null)
32	Tambra	Lembke	6734 W Jackson Blvd, Salmon Arm, BC V1E 4G9	73201	(null)
33	Leanna	Tijerina	2859 Dorsett Rd, North York, ON M9L 2T9	64667	14
34	Valentin	Billa	6185 Bohn St #72, Pangman, SK S0C 2C0	35944	(null)
35	Vicki	Maikoksoong	7 Tomahawk Dr, Richmond, BC V7A 3N1	31358	(null)
36	Paola	Vielma	58 Hancock St, Aurora, ON L4G 2J7	115908	(null)
37	Tish	Violet	1 Norris Ave #4095, Laval, QC H7W 5K7	64863	(null)
38	Apolonia	Warne	3 E 31st St #77, Fredericton, NB E3G 0A3	51681	(null)
39	Willard	Lablanc	1534 Sidco Dr, Leduc, AB T9E 5A6	43604	(null)
40	Felton	Yafuso	202 Madison Ave, Ottawa, ON K1Y 1M2	70895	(null)

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12	4
13	4
14	11
15	4
16	8
17	9
17	10
18	8
19	3
20	4
21	1
22	9
23	3
24	1
25	1
26	8
27	6
28	1
29	8
30	2
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32	7
33	4
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35	2
36	4
37	8
38	5
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40	7

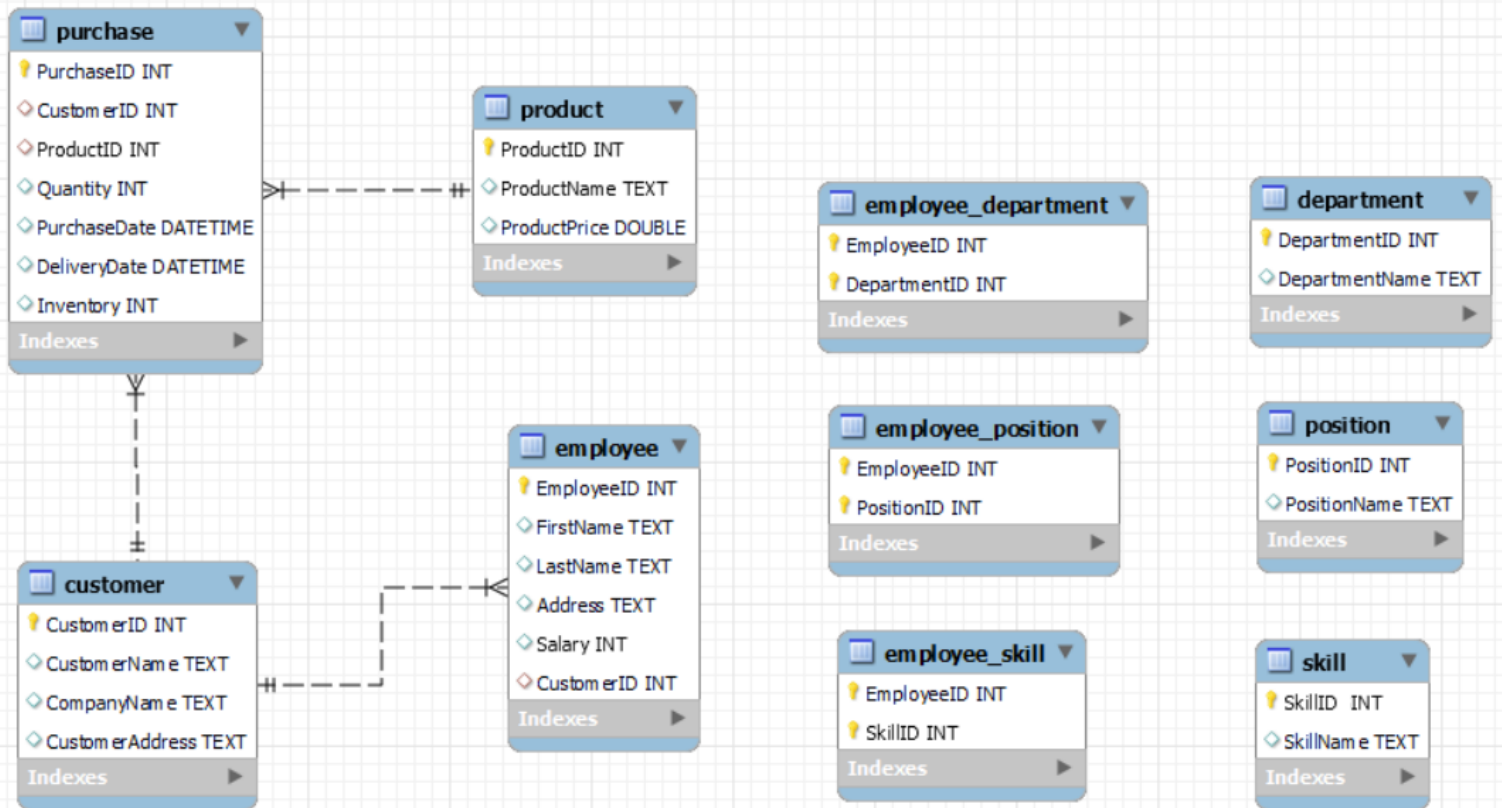
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39	1
39	2
39	3

EMPLOYEEID	POSITIONID
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7	6
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9	2
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29	11
30	2
31	18
32	19
33	3
34	10
35	2
36	9
37	18
38	5
39	14
40	7

PURCHASEID	CUSTOMERID	PRODUCTID	QUANTITY	PURCHASEDATE	DELIVERYDATE	INVENTORY
1	1	1	1	116-01-22	16-02-14	108
2	1	2	1	116-03-03	16-03-03	128
3	1	3	3	116-06-09	16-06-09	148
4	1	2	4	116-08-30	16-09-20	168
5	1	4	4	116-11-07	16-12-22	188
6	2	2	2	116-01-21	16-02-13	106
7	2	3	3	116-02-22	16-02-22	126
8	2	5	5	116-06-09	16-07-01	146
9	2	6	6	116-08-24	16-09-12	166
10	2	4	4	116-11-05	16-12-20	186
11	3	7	7	116-01-23	16-02-16	111
12	3	7	7	116-03-06	16-03-06	131
13	3	3	3	116-06-10	16-06-10	151
14	3	8	8	116-09-07	16-10-18	171
15	3	3	3	116-11-12	16-12-19	191
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18	4	6	6	116-06-07	16-06-26	145
19	4	2	2	116-08-18	16-09-07	165
20	4	4	4	116-11-02	16-12-19	185
21	5	3	3	116-02-15	16-02-22	117
22	5	2	2	116-04-24	16-06-10	137
23	5	2	2	116-06-26	16-06-26	157
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26	6	2	2	116-01-06	16-01-22	101
27	6	6	6	116-02-17	16-03-04	121
28	6	9	9	116-06-02	16-06-11	141
29	6	2	2	116-07-13	16-08-28	161
30	6	10	10	116-10-26	16-10-26	181
31	7	11	11	116-02-16	16-02-26	119
32	7	2	2	116-05-26	16-06-10	139
33	7	1	1	116-07-12	16-08-18	159
34	7	4	4	116-10-24	16-10-24	179
35	7	4	4	116-12-10	16-12-10	199
36	8	10	10	116-02-15	16-02-22	118
37	8	2	2	116-04-26	16-06-10	138
38	8	12	12	116-07-01	16-07-01	158
39	8	7	7	116-10-18	16-10-18	178
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41	9	12	12	116-01-21	16-02-13	107
42	9	3	3	116-02-26	16-02-26	127
43	9	10	10	116-06-09	16-06-09	147
44	9	13	13	116-08-28	16-09-17	167
45	9	7	7	116-11-06	16-12-20	187
46	10	7	7	116-01-22	16-02-15	110
47	10	13	13	116-03-04	16-03-04	130
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49	10	9	9	116-09-03	16-10-16	170
50	10	7	7	116-11-12	16-12-10	190
51	11	14	14	116-02-05	16-02-17	113
52	11	2	2	116-03-26	16-06-07	133
53	11	3	3	116-06-11	16-06-11	153
54	11	7	7	116-09-17	16-10-24	173
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57	12	11	11	116-02-19	16-03-06	123
58	12	3	3	116-06-05	16-06-14	143
59	12	15	15	116-07-27	16-09-01	163
60	12	6	6	116-10-26	16-12-10	183
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63	13	3	3	116-05-29	16-06-10	140
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67	14	11	11	116-02-19	16-03-08	124
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73	15	10	10	116-06-10	16-06-10	149
74	15	9	9	116-09-01	16-09-22	169
75	15	17	17	116-11-08	16-12-22	189
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77	16	12	12	116-03-08	16-03-08	132
78	16	3	3	116-06-10	16-06-10	152
79	16	13	13	116-09-12	16-10-24	172
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81	17	7	7	116-02-13	16-02-18	114
82	17	1	1	116-04-13	16-06-09	134
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84	17	3	3	116-09-20	16-10-26	174
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90	18	2	2	116-10-26	16-10-26	182
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96	20	10	10	116-02-13	16-02-19	115
97	20	1	1	116-04-14	16-06-09	135
98	20	5	5	116-06-14	16-06-14	155

MySQL

Database Design Diagram



Tables and Data

ProductID	ProductName	ProductPrice
1	Paper Toffee	20.26
2	Gummy Wire	14.99
3	Car Battery	45.53
4	Automobile Model	80.63
5	Model Train Kit	99
6	Red Wine	56.77
7	Waterpark Weekend Pass	55
8	Toy Soldiers	25
9	Model Airplane Kit	156.3
10	\$10 Gift Card	10
11	Organic Shopping Bag	20.95
12	Hard Gummy Balls	45
13	Miscellaneous	45
14	Black Mobile Skin	14.59
15	Chocolate Coin Mints	33
16	Fishing Rod	182.1
17	Plastic Bags	3.7
18	White Wine	10

DepartmentID	DepartmentName
1	Software
2	Training
3	Operations
4	Finance
5	Administration
6	Sales
7	Marketing
8	Human Resources
9	Safety
10	Maintenance
11	Front Desk

PositionID	PositionName
1	Engineer
2	Trainer
3	Accounts clerk
4	Stats Clerk
5	Clerk
6	Actuary
7	Advertising Manager
8	Process Worker
9	Accountant
10	Administration
11	Administration Level 3
12	Safety Worker
13	Administration Level 1
14	Administration assis...
15	Junior Analyst
16	Administration Level 2
17	Media Planner
18	Level 5 Administration
19	Advertising specialist

SkillID	SkillName
1	Marketing
2	Operations
3	Accounting

EmployeeID	FirstName	LastName	Address	Salary	CustomerID
1	Barney	Hagen	6335 Fort Myer Dr, Saint-Hyacinthe, QC J2S 2N3	99207	NULL
2	Lourdes	Bauswell	9547 Belmont Rd #21, Belleville, ON K8P 1B3	40926	NULL
3	Belen	Nelton	77 Central Pky N, Quesnel, BC V2J 1N4	133526	NULL
4	Hortencia	Bresser	808 Calle De Industrias, New Waterford, NS B1...	47153	NULL
5	Chandra	Lagos	7 N Dean St, Etobicoke, ON M8Z 3P6	62893	NULL
5	Andree	Christmann	765 Rock Island Rd, Strathroy, ON N7G 3K6	42435	NULL
7	Crissy	Pacholec	85 S State St, Barrie, ON L4N 6T7	136819	NULL
8	Dell	Polino	56 Corporate Dr, Becancour, QC G9H 1H7	104132	NULL
9	Hannah	Edmison	73 Pittsford Victor Rd, Vancouver, BC V5Z 3K2	44077	NULL
10	Francoise	Rautenstrauch	2335 Canton Hwy #6, Windsor, ON N8N 3N2	36359	NULL
11	Lyla	Fucillo	7979 33 191, North River, NS B6L 6N1	47179	NULL
12	Gianna	Branin	100 Main St, Calgary, AB T2K 4X5	196144	NULL
13	Hui	Portaro	3 Mill Rd, Baker Brook, NB E7A 1T3	71552	NULL
14	Ilona	Dudash	2 Sutton Pl S #5727, Rouyn-Noranda, QC J9X 3V4	43983	NULL
15	Josefa	Opitz	136 W Grand Ave #3, Delhi, ON N4B 1C4	105107	NULL
16	Corrie	Kardell	75 Westchester Ave, Pierrefonds, QC H9J 1W6	54990	5
17	Queenie	Kramarczyk	47 Garfield Ave, Swift Current, SK S9H 4V2	47833	NULL
18	Laurena	Begin	7564 N Academy Ave, London, ON N6A 1S5	47529	NULL
19	Lauryn	Randol	4207 Leon Rd, North Vancouver, BC V7L 3X6	45784	NULL
20	Lea	Steinhaus	80 Maplewood Dr #34, Bradford, ON L3Z 2S4	77421	NULL
21	Lenita	Darbro	2726 Franklin Hill Rd, Vernon, BC V1T 7V8	75029	NULL
22	Tom	Loeza	447 Commercial St Se, Lile-Perrot, QC J7V 4T4	43545	NULL
23	Kendra	Loud	6 Arch St #9757, Alcida, NB E8J 2C4	40954	NULL
24	Huey	Marcille	169 Journal Sq, Edmonton, AB T5P 1G9	36624	NULL
25	Matthew	Armacost	220 Old Us Highway 441, Peterborough, ON K9...	73412	NULL
26	Elise	Michelle	88 E Saint Elmo Rd, Hamilton, ON L8R 3J3	58373	NULL
27	Nohemi	Leko	37 Us Highway 12e E #6, Sault Ste. Marie, ON ...	58258	NULL
28	Danilo	Pride	6857 Wall St, Red Deer, AB T4R 2H5	34736	NULL
29	Kimberely	Rabuse	89 W 35th St #1, Windsor, ON N8S 3R1	65541	NULL
30	Renato	Airhart	1 Vernon Blvd, Calgary, AB T2A 2H9	35808	NULL
31	Hollis	Stanfield	5174 Interstate 45 N, Yellowhead County, AB T...	85567	NULL
32	Tambra	Lembke	6734 W Jackson Blvd, Salmon Arm, BC V1E 4G9	73201	NULL
33	Leanna	Tijerina	2859 Dorsett Rd, North York, ON M9L 2T9	64667	14
34	Valentin	Billa	6185 Bohn St #72, Pangman, SK S0C 2C0	35944	NULL
35	Vicki	Maikoksoong	7 Tomahawk Dr, Richmond, BC V7A 3N1	31358	NULL
36	Paola	Vielma	58 Hancock St, Aurora, ON L4G 2J7	115908	NULL
37	Tish	Violett	1 Norris Ave #4095, Laval, QC H7W 5K7	64863	NULL
38	Apolonia	Warne	3 E 31st St #77, Fredericton, NB E3G 0A3	51681	NULL
39	Willard	Lablanc	1534 Sidco Dr, Leduc, AB T9E 5A6	43604	NULL
40	Felton	Yafuso	202 Madison Ave, Ottawa, ON K1Y 1M2	70895	NULL

CustomerID	CustomerName	CompanyName	CustomerAddress
1	Andy Christer		765 Rock Island Rd, Strathroy, ON N7G 3K6
2	Aphollo Wayne	Kitchen People	3 E 31st St #77, Fredericton, NB E3G 0A3
3	Blanche Dundas	Adams Balcom & Larose Pc	2 Sutton Pl S #5727, Rouyn-Noranda, QC J9X 3V4
4	Chandra Lagotte	Meredith Realty Group Inc	7 N Dean St, Etobicoke, ON M8Z 3P6
5	Corrie Kardell		75 Westchester Ave, Pierrefonds, QC H9J 1W6
6	Cristopher Pakalec	Cgi Systems Inc	85 S State St, Barrie, ON L4N 6T7
7	Danny Proud		6857 Wall St, Red Deer, AB T4R 2H5
8	Felton Yafer		202 Madison Ave, Ottawa, ON K1Y 1M2
9	George Brane	All Brevard Cert Apprsls Inc	100 Main St, Calgary, AB T2K 4X5
10	Holly Standman		5174 Interstate 45 N, Yellowhead County, AB T...
11	Huey Market	Southern Idaho Pipe & Stl ...	169 Journal Sq, Edmonton, AB T5P 1G9
12	Kim Rabu		89 W 35th St #1, Windsor, ON N8S 3R1
13	Laura Randalle	Judy, Henry L Esq	4207 Leon Rd, North Vancouver, BC V7L 3X6
14	Leanna Tjerina		2859 Dorsett Rd, North York, ON M9L 2T9
15	Lisa Michelle		88 E Saint Elmo Rd, Hamilton, ON L8R 3J3
16	Lori Beggon	Barry, Anthony S Esq	7564 N Academy Ave, London, ON N6A 1S5
17	Lyle Fuccate		7979 33 191, North River, NS B6L 6N1
18	Tish Purple		1 Norris Ave #4095, Laval, QC H7W 5K7
19	Valentino Bullum	General Color Co Inc	6185 Bohn St #72, Pangman, SK S0C 2C0
20	Willard White	Mershon Metal Specialties Inc	1534 Sidco Dr, Leduc, AB T9E 5A6

EmployeeID	DepartmentID
1	1
2	2
3	1
4	4
5	5
6	3
7	4
8	6
8	7
9	2
10	3
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12	4
13	4
14	11
15	4
16	8
17	9
17	10
18	8
19	3
20	4
21	1
22	9
23	3
24	1
25	1
26	8
27	6
28	1
29	8
30	2
31	8
32	6
32	7
33	4
34	11
35	2
36	4
37	8
38	5
39	3
40	7

EmployeeID	PositionID
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2	2
3	1
4	3
5	4
6	5
7	6
8	7
9	2
10	8
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12	6
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25	1
26	16
27	17
28	15
29	11
30	2
31	18
32	19
33	3
34	10
35	2
36	9
37	18
38	5
39	14
40	7

EmployeeID	SkillID
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2	2
3	1
4	2
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7	1
7	2
8	1
8	2
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33	2
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37	1
37	2
37	3
38	2
39	1
39	2
39	3
40	1

PurchaseID	CustomerID	ProductID	Quantity	PurchaseDate	DeliveryDate	Inventory
1	1	1	1	2016-01-22 00:00:00	2016-02-14 00:00:00	108
2	1	2	1	2016-03-03 00:00:00	2016-03-03 00:00:00	128
3	1	3	1	2016-06-09 00:00:00	2016-06-09 00:00:00	148
4	1	2	1	2016-08-30 00:00:00	2016-09-20 00:00:00	168
5	1	4	1	2016-11-07 00:00:00	2016-12-22 00:00:00	188
6	2	2	1	2016-01-21 00:00:00	2016-02-13 00:00:00	106
7	2	3	1	2016-02-22 00:00:00	2016-02-22 00:00:00	126
8	2	5	1	2016-06-09 00:00:00	2016-07-01 00:00:00	146
9	2	6	1	2016-08-24 00:00:00	2016-09-12 00:00:00	166
10	2	4	1	2016-11-05 00:00:00	2016-12-20 00:00:00	186
11	3	7	1	2016-01-23 00:00:00	2016-02-16 00:00:00	111
12	3	7	1	2016-03-06 00:00:00	2016-03-06 00:00:00	131
13	3	3	1	2016-06-10 00:00:00	2016-06-10 00:00:00	151
14	3	8	1	2016-09-07 00:00:00	2016-10-18 00:00:00	171
15	3	3	1	2016-11-12 00:00:00	2016-12-19 00:00:00	191
16	4	2	1	2016-01-21 00:00:00	2016-02-05 00:00:00	105
17	4	1	1	2016-02-22 00:00:00	2016-03-26 00:00:00	125
18	4	6	1	2016-06-07 00:00:00	2016-06-26 00:00:00	145
19	4	2	1	2016-08-18 00:00:00	2016-09-07 00:00:00	165
20	4	4	1	2016-11-02 00:00:00	2016-12-19 00:00:00	185
21	5	3	1	2016-02-15 00:00:00	2016-02-22 00:00:00	117
22	5	2	1	2016-04-24 00:00:00	2016-06-10 00:00:00	137
23	5	2	1	2016-06-26 00:00:00	2016-06-26 00:00:00	157
24	5	9	1	2016-10-16 00:00:00	2016-10-16 00:00:00	177
25	5	4	1	2016-12-07 00:00:00	2016-12-07 00:00:00	197
26	6	2	1	2016-01-06 00:00:00	2016-01-22 00:00:00	101
27	6	6	1	2016-02-17 00:00:00	2016-03-04 00:00:00	121
28	6	9	1	2016-06-02 00:00:00	2016-06-11 00:00:00	141
29	6	2	1	2016-07-13 00:00:00	2016-08-28 00:00:00	161
30	6	10	1	2016-10-26 00:00:00	2016-10-26 00:00:00	181
31	7	11	1	2016-02-16 00:00:00	2016-02-26 00:00:00	119
32	7	2	1	2016-05-26 00:00:00	2016-06-10 00:00:00	139
33	7	1	1	2016-07-12 00:00:00	2016-08-18 00:00:00	159
34	7	4	1	2016-10-24 00:00:00	2016-10-24 00:00:00	179
35	7	4	1	2016-12-10 00:00:00	2016-12-10 00:00:00	199
36	8	10	1	2016-02-15 00:00:00	2016-02-22 00:00:00	118
37	8	2	1	2016-04-26 00:00:00	2016-06-10 00:00:00	138
38	8	12	1	2016-07-01 00:00:00	2016-07-01 00:00:00	158
39	8	7	1	2016-10-18 00:00:00	2016-10-18 00:00:00	178
40	8	1	1	2016-12-09 00:00:00	2016-12-09 00:00:00	198
41	9	12	1	2016-01-21 00:00:00	2016-02-13 00:00:00	107
42	9	3	1	2016-02-26 00:00:00	2016-02-26 00:00:00	127
43	9	10	1	2016-06-09 00:00:00	2016-06-09 00:00:00	147
44	9	13	1	2016-08-28 00:00:00	2016-09-17 00:00:00	167
45	9	7	1	2016-11-06 00:00:00	2016-12-20 00:00:00	187
46	10	7	1	2016-01-22 00:00:00	2016-02-15 00:00:00	110
47	10	13	1	2016-03-04 00:00:00	2016-03-04 00:00:00	130
48	10	7	1	2016-06-10 00:00:00	2016-06-10 00:00:00	150
49	10	9	1	2016-09-03 00:00:00	2016-10-16 00:00:00	170
50	10	7	1	2016-11-12 00:00:00	2016-12-10 00:00:00	190
51	11	14	1	2016-02-05 00:00:00	2016-02-17 00:00:00	113
52	11	2	1	2016-03-26 00:00:00	2016-06-07 00:00:00	133
53	11	3	1	2016-06-11 00:00:00	2016-06-11 00:00:00	153
54	11	7	1	2016-09-17 00:00:00	2016-10-24 00:00:00	173
55	11	1	1	2016-11-22 00:00:00	2016-12-20 00:00:00	193
56	12	2	1	2016-01-12 00:00:00	2016-01-23 00:00:00	103
57	12	11	1	2016-02-19 00:00:00	2016-03-06 00:00:00	123
58	12	3	1	2016-06-05 00:00:00	2016-06-14 00:00:00	143
59	12	15	1	2016-07-27 00:00:00	2016-09-01 00:00:00	163
60	12	6	1	2016-10-26 00:00:00	2016-12-10 00:00:00	183
61	13	15	1	2016-01-05 00:00:00	2016-01-22 00:00:00	100
62	13	2	1	2016-02-16 00:00:00	2016-03-03 00:00:00	120
63	13	3	1	2016-05-29 00:00:00	2016-06-10 00:00:00	140
64	13	1	1	2016-07-13 00:00:00	2016-08-24 00:00:00	160
65	13	16	1	2016-10-24 00:00:00	2016-10-24 00:00:00	180
66	14	2	1	2016-01-20 00:00:00	2016-01-26 00:00:00	104
67	14	11	1	2016-02-19 00:00:00	2016-03-08 00:00:00	124
68	14	3	1	2016-06-05 00:00:00	2016-06-19 00:00:00	144
69	14	2	1	2016-08-10 00:00:00	2016-09-03 00:00:00	164
70	14	7	1	2016-10-27 00:00:00	2016-12-19 00:00:00	184
71	15	1	1	2016-01-22 00:00:00	2016-02-15 00:00:00	109
72	15	13	1	2016-03-04 00:00:00	2016-03-04 00:00:00	129
73	15	10	1	2016-06-10 00:00:00	2016-06-10 00:00:00	149
74	15	9	1	2016-09-01 00:00:00	2016-09-22 00:00:00	169
75	15	17	1	2016-11-08 00:00:00	2016-12-22 00:00:00	189
76	16	2	1	2016-01-26 00:00:00	2016-02-16 00:00:00	112
77	16	12	1	2016-03-08 00:00:00	2016-03-08 00:00:00	132
78	16	3	1	2016-06-10 00:00:00	2016-06-10 00:00:00	152
79	16	13	1	2016-09-12 00:00:00	2016-10-24 00:00:00	172
80	16	17	1	2016-11-20 00:00:00	2016-12-19 00:00:00	192
81	17	7	1	2016-02-13 00:00:00	2016-02-18 00:00:00	114
82	17	1	1	2016-04-13 00:00:00	2016-06-09 00:00:00	134
83	17	3	1	2016-06-13 00:00:00	2016-06-13 00:00:00	154
84	17	3	1	2016-09-20 00:00:00	2016-10-26 00:00:00	174
85	17	2	1	2016-11-25 00:00:00	2016-12-20 00:00:00	194
86	18	1	1	2016-01-07 00:00:00	2016-01-22 00:00:00	102
87	18	6	1	2016-02-18 00:00:00	2016-03-04 00:00:00	122
88	18	3	1	2016-06-03 00:00:00	2016-06-13 00:00:00	142
89	18	2	1	2016-07-26 00:00:00	2016-08-30 00:00:00	162
90	18	2	1	2016-10-26 00:00:00	2016-10-26 00:00:00	182
91	19	7	1	2016-02-14 00:00:00	2016-02-19 00:00:00	116
92	19	2	1	2016-04-15 00:00:00	2016-06-09 00:00:00	136
93	19	18	1	2016-06-19 00:00:00	2016-06-19 00:00:00	156
94	19	2	1	2016-09-22 00:00:00	2016-09-22 00:00:00	176
95	19	7	1	2016-12-06 00:00:00	2016-12-22 00:00:00	196
96	20	10	1	2016-02-13 00:00:00	2016-02-19 00:00:00	115
97	20	1	1	2016-04-14 00:00:00	2016-06-09 00:00:00	135
98	20	5	1	2016-06-14 00:00:00	2016-06-14 00:00:00	155
99	20	2	1	2016-09-21 00:00:00	2016-10-26 00:00:00	175
100	20	4	1	2016-12-04 00:00:00	2016-12-22 00:00:00	195