LAPORAN MINGGU 13 TM 1 BASIS DATA (PRAKTIKUM)



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PROGRAM STUDI S1 SISTEM INFORMASI FAKULTAS SAINS DAN TEKNOLOGI UNIVERSITAS AIRLANGGA

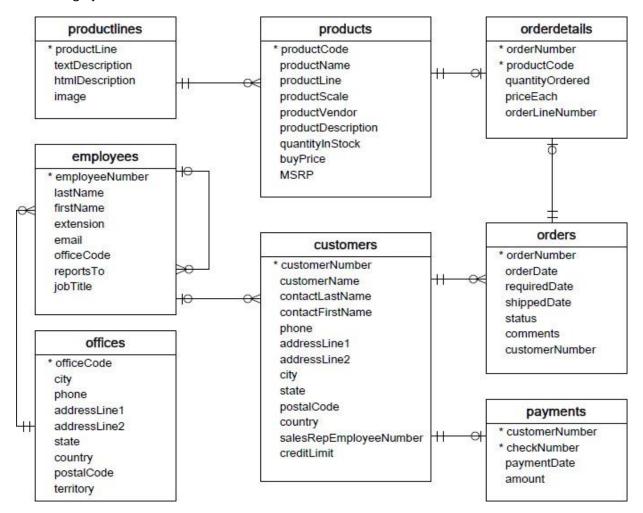
2021

Data Manipulation Language

(DML)Jum'at, 4 Juni 2021

Petunjuk Praktikum:

- a. Import basis data classicalmodel (file .sql ada di file .rar)!
- b. Berikut ini adalah skema basis data classicalmodel. Silahkan Anda gunakan untuk mengerjakan soal di bawah!



- c. Pada setiap soal, buatlah *script* **SQL**-nya dan *capture* **hasilnya**. Kedua-duanya di-*paste*-kan di dokumen word.
- d. Hasil pengerjaan yang Anda kumpulkan berupa dokumen Word dengan ketentuan penamaan file **Week13_TM1_NIM.doc/.docx.** Contoh: Week13_TM1_081911633081.docx.

Soal:

Buatlah daftar dengan perintah sql dengan menggunakan pendekatan between/ in / not in dan tidak melibatkan join table.

- Tampilkan daftar barang yang terjual pada bulan Desember 2003!
 Format daftar berisi : productCode, productName
- 2. Tampilkan daftar employee yang tidak memiliki customer dan jobtitle = 'Sales Rep'. Format daftar berisi : employeeNumber, firstname, email.
- 3. Tampilkan daftar product yang terjual pada tahun 2002-2003 yang berafiliasi dengan produkline 'classic cars' atau 'motorcycles'
 - Format daftar berisi: ProductCode, ProductName dan productVendor.
- 4. Tampilkan daftar product yang tidak terjual pada tahun 2003 semester 1 (bulan 1-6)

 Format daftar berisi: ProductCode, ProductName dan productVendor.
- 5. Tampilkan daftar customers yang berafiliasi dengan kantor cabang (offices) dengan kota paris dan london.
 - Format daftar berisi: CustomerNumber,CustomerName dan phone
- 6. Tampilkan nama produk yang dipesan oleh customer dengan nama Atelier graphique!

 Format tampilan: customerName, orderNumber, orderDate, productCode, productName

1. Tampilkan daftar barang yang terjual pada bulan Desember 2003!

Format daftar berisi : productCode, productName

```
-- No 1
SELECT productCode, productName FROM products
]WHERE productCode IN (SELECT DISTINCT productCode FROM orderdetails
]WHERE orderNumber IN (SELECT DISTINCT orderNumber FROM orders
-WHERE YEAR(orderDate) = '2003' AND MONTH(orderDate) = '12'))
```

ш	productCode	productName
	S10_1678	1969 Harley Davidson Ultimate Chopper
	S10_1949	1952 Alpine Renault 1300
	S10_2016	1996 Moto Guzzi 1100i
	S10_4698	2003 Harley-Davidson Eagle Drag Bike
	S10_4962	1962 LanciaA Delta 16V
	S12_1099	1968 Ford Mustang
	S12_1666	1958 Setra Bus
	512_2823	2002 Suzuki XREO
	S12_3380	1968 Dodge Charger
	S12_3990	1970 Plymouth Hemi Cuda
	S12_4473	1957 Chevy Pickup
	S12_4675	1969 Dodge Charger
	S18_1097	1940 Ford Pickup Truck
	S18_1129	1993 Mazda RX-7
	S18_1342	1937 Lincoln Berline
	S18_1367	1936 Mercedes-Benz 500K Special Roadster
	S18_1589	1965 Aston Martin DB5
	S18_1749	1917 Grand Touring Sedan
	S18_1889	1948 Porsche 356-A Roadster
	S18_1984	1995 Honda Civic
	S18_2238	1998 Chrysler Plymouth Prowler
	S18_2248	1911 Ford Town Car
	S18_2319	1964 Mercedes Tour Bus
	S18_2325	1932 Model A Ford J-Coupe
	S18_2432	1926 Ford Fire Engine

S18_2432	1926 Ford Fire Engine
S18_2581	P-51-D Mustang
S18_2625	1936 Harley Davidson El Knucklehead
S18_2795	1928 Mercedes-Benz SSK
S18_2870	1999 Indy 500 Monte Carlo SS
S18_2949	1913 Ford Model T Speedster
S18_2957	1934 Ford V8 Coupe
S18_3136	18th Century Vintage Horse Carriage
S18_3232	1992 Ferrari 360 Spider red
S18_3278	1969 Dodge Super Bee
S18_3320	1917 Maxwell Touring Car
S18_3482	1976 Ford Gran Torino
S18_3685	1948 Porsche Type 356 Roadster
S18_3782	1957 Vespa GS150
S18_4027	1970 Triumph Spitfire
S18_4409	1932 Alfa Romeo 8C2300 Spider Sport
S18_4600	1940s Ford truck
S18_4668	1939 Cadillac Limousine
S18_4721	1957 Corvette Convertible
S18_4933	1957 Ford Thunderbird
S24_1046	1970 Chevy Chevelle SS 454
S24_1444	1970 Dodge Coronet
S24_1578	1997 BMW R 1100 S
S24_1628	1966 Shelby Cobra 427 S/C
S24_1785	1928 British Royal Navy Airplane

	S24_1785	1928 British Royal Navy Airplane		
	S24_1937	1939 Chevrolet Deluxe Coupe		
	S24_2000	1960 BSA Gold Star DBD34		
	S24_2022	1938 Cadillac V-16 Presidential Limousine		
	S24_2300	1962 Volkswagen Microbus		
	S24_2360	1982 Ducati 900 Monster		
	S24_2766	1949 Jaguar XK 120		
	S24_2840	1958 Chevy Corvette Limited Edition		
	S24_2887	1952 Citroen-15CV		
	S24_2972	1982 Lamborghini Diablo		
	S24_3191	1969 Chevrolet Camaro Z28		
	S24_3371	1971 Alpine Renault 1600s		
	S24_3432	2002 Chevy Corvette		
	S24_3856	1956 Porsche 356A Coupe		
	S24_3969	1936 Mercedes Benz 500k Roadster		
	S24_4048	1992 Porsche Cayenne Turbo Silver		
_	S24_4258	1936 Chrysler Airflow		
	S24_4278	1900s Vintage Tri-Plane		
	S24_4620	1961 Chevrolet Impala		
_	532_1268	1980's GM Manhattan Express		
_	532_1374	1997 BMW F650 ST		
	532_2206	1982 Ducati 996 R		
	S32_2509	1954 Greyhound Scenicruiser		
	532_3207	1950's Chicago Surface Lines Streetcar		
	S32_3522	1996 Peterbilt 379 Stake Bed with Outrigger		
쁜	532_4289	1928 Ford Phaeton Deluxe		
무	S32_4485	1974 Ducati 350 Mk3 Desmo		
무		1930 Buick Marquette Phaeton		
무	_	Diamond T620 Semi-Skirted Tanker		
무		2002 Yamaha YZR M1		
무	_	American Airlines: B767-300		
_	S700_2824	1982 Camaro Z28		
므	_	ATA: B757-300		
	S700_3167	F/A 18 Hornet 1/72		

2. Tampilkan daftar employee yang tidak memiliki customer dan jobtitle = 'Sales Rep'.

Format daftar berisi: employeeNumber, firstname, email.

```
-- No 2
SELECT employeeNumber, firstName, email FROM employees
]WHERE employeeNumber NOT IN (SELECT DISTINCT salesRepEmployeeNumber FROM customers
·WHERE salesRepEmployeeNumber IS NOT NULL) AND jobTitle = 'Sales Rep';
```

3. Tampilkan daftar product yang terjual pada tahun 2002-2003 yang berafiliasi dengan produkline 'classic cars' atau 'motorcycles'

Format daftar berisi: ProductCode, ProductName dan productVendor.

```
-- No 3
SELECT DISTINCT productCode, productName, productVendor FROM products
]WHERE productLine IN (SELECT DISTINCT productLine FROM productlines
-WHERE productLine IN ('classic cars', 'motorcycles'))
]AND productCode IN (SELECT DISTINCT productCode FROM orderdetails
]WHERE orderNumber IN (SELECT DISTINCT orderNumber FROM orders
-WHERE YEAR (orderDate) BETWEEN '2002' AND '2003'));
```

☐ productCode	productName	productVendor
S10_1949	1952 Alpine Renault 1300	Classic Metal Creations
S10_4757	1972 Alfa Romeo GTA	Motor City Art Classics
S10_4962	1962 LanciaA Delta 16V	Second Gear Diecast
S12_1099	1968 Ford Mustang	Autoart Studio Design
S12_1108	2001 Ferrari Enzo	Second Gear Diecast
S12_3148	1969 Corvair Monza	Welly Diecast Productions
S12_3380	1968 Dodge Charger	Welly Diecast Productions
S12_3891	1969 Ford Falcon	Second Gear Diecast
S12_3990	1970 Plymouth Hemi Cuda	Studio M Art Models
S12_4675	1969 Dodge Charger	Welly Diecast Productions
S18_1129	1993 Mazda RX-7	Highway 66 Mini Classics
S18_1589	1965 Aston Martin DB5	Classic Metal Creations
S18_1889	1948 Porsche 356-A Roadster	Gearbox Collectibles
S18_1984	1995 Honda Civic	Min Lin Diecast
S18_2238	1998 Chrysler Plymouth Prowler	Gearbox Collectibles
S18_2870	1999 Indy 500 Monte Carlo SS	Red Start Diecast
S18_3232	1992 Ferrari 360 Spider red	Unimax Art Galleries
S18_3278	1969 Dodge Super Bee	Min Lin Diecast
S18_3482	1976 Ford Gran Torino	Gearbox Collectibles
S18_3685	1948 Porsche Type 356 Roadster	Gearbox Collectibles
S18_4027	1970 Triumph Spitfire	Min Lin Diecast
S18_4721	1957 Corvette Convertible	Classic Metal Creations
S18_4933	1957 Ford Thunderbird	Studio M Art Models
S24_1046	1970 Chevy Chevelle SS 454	Unimax Art Galleries

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S24_1444	1970 Dodge Coronet	Highway 66 Mini Classics
S24_1628	1966 Shelby Cobra 427 S/C	Carousel DieCast Legends
S24_2766	1949 Jaguar XK 120	Classic Metal Creations
S24_2840	1958 Chevy Corvette Limited Edition	Carousel DieCast Legends
S24_2887	1952 Citroen-15CV	Exoto Designs
S24_2972	1982 Lamborghini Diablo	Second Gear Diecast
S24_3191	1969 Chevrolet Camaro Z28	Exoto Designs
S24_3371	1971 Alpine Renault 1600s	Welly Diecast Productions
S24_3432	2002 Chevy Corvette	Gearbox Collectibles
S24_3856	1956 Porsche 356A Coupe	Classic Metal Creations
S24_4048	1992 Porsche Cayenne Turbo Silver	Exoto Designs
S24_4620	1961 Chevrolet Impala	Classic Metal Creations
S700_2824	1982 Camaro Z28	Carousel DieCast Legends
S10_1678	1969 Harley Davidson Ultimate Chopper	Min Lin Diecast
S10_2016	1996 Moto Guzzi 1100i	Highway 66 Mini Classics
S10_4698	2003 Harley-Davidson Eagle Drag Bike	Red Start Diecast
S12_2823	2002 Suzuki XREO	Unimax Art Galleries
S18_2625	1936 Harley Davidson El Knucklehead	Welly Diecast Productions
S18_3782	1957 Vespa GS150	Studio M Art Models
S24_1578	1997 BMW R 1100 S	Autoart Studio Design
S24_2000	1960 BSA Gold Star DBD34	Highway 66 Mini Classics
S24_2360	1982 Ducati 900 Monster	Highway 66 Mini Classics
S32_1374	1997 BMW F650 ST	Exoto Designs
S32_1374	1997 BMW F650 ST	Exoto Designs
S32_2206	1982 Ducati 996 R	Gearbox Collectibles
S32_4485	1974 Ducati 350 Mk3 Desmo	Second Gear Diecast
S50_4713	2002 Yamaha YZR M1	Autoart Studio Design

4. Tampilkan daftar product yang tidak terjual pada tahun 2003 semester 1 (bulan 1-6)

Format daftar berisi: ProductCode, ProductName dan productVendor.

```
-- No 4

SELECT DISTINCT productCode, productName, productVendor FROM products

WHERE productCode NOT IN (SELECT DISTINCT productCode FROM orderdetails

WHERE orderNumber IN (SELECT DISTINCT orderNumber FROM orders

-WHERE YEAR (OrderDate) = '2003' AND MONTH (OrderDate) BETWEEN '1' AND '6'));

productCode productName productVendor

S18_3233 1985 Toyota Supra Highway 66 Mini Classics
```

5. Tampilkan daftar customers yang berafiliasi dengan kantor cabang (offices) dengan kota paris dan london.

Format daftar berisi : CustomerNumber,CustomerName dan phone

-- No 5
SELECT customerNumber, customerName, phone FROM customers
]WHERE salesRepEmployeeNumber IN (SELECT DISTINCT employeeNumber FROM employees
]WHERE officeCode IN (SELECT DISTINCT officeCode FROM offices

WHERE city IN ('Paris', 'London')));

customerNumber	customerName	phone
146	Saveley & Henriot, Co.	78.32.5555
172	La Corne D'abondance, Co.	(1) 42.34.2555
250	Lyon Souveniers	+33 1 46 62 7555
350	Marseille Mini Autos	91.24.4555
353	Reims Collectables	26.47.1555
406	Auto Canal+ Petit	(1) 47.55.6555
103	Atelier graphique	40.32.2555
119	La Rochelle Gifts	40.67.8555
141	Euro+ Shopping Channel	(91) 555 94 44
171	Daedalus Designs Imports	20.16.1555
209	Mini Caravy	88.60.1555
242	Alpha Cognac	61.77.6555
256	Auto Associés & Cie.	30.59.8555
145	Danish Wholesale Imports	31 12 3555
227	Heintze Collectables	86 21 3555
249	Amica Models & Co.	011-4988555
278	Rovelli Gifts	035-640555
314	Petit Auto	(02) 5554 67
381	Royale Belge	(071) 23 67 2555
382	Salzburg Collectables	6562-9555
386	L'ordine Souveniers	0522-556555
452	Mini Auto Werke	7675-3555
473	Frau da Collezione	+39 022515555
216	Enaco Distributors	(93) 203 4555

298 Vida Sport, Ltd	0897-034555		
344 CAF Imports	+34 913 728 555		
376 Precious Collectables	0452-076555		
458 Corrida Auto Replicas, Ltd	(91) 555 22 82		
484 Iberia Gift Imports, Corp.	(95) 555 82 82		
186 Toys of Finland, Co.	90-224 8555		
187 AV Stores, Co.	(171) 555-1555		
201 UK Collectables, Ltd.	(171) 555-2282		
240 giftsbymail.co.uk	(198) 555-8888		
311 Oulu Toy Supplies, Inc.	981-443655		
324 Stylish Desk Decors, Co.	(171) 555-0297		
334 Suominen Souveniers	+358 9 8045 555		
489 Double Decker Gift Stores, Ltd	(171) 555-7555		
121 Baane Mini Imports	07-98 9555		
128 Blauer See Auto, Co.	+49 69 66 90 2555		
144 Volvo Model Replicas, Co	0921-12 3555		
167 Herkku Gifts	+47 2267 3215		
189 Clover Collections, Co.	+353 1862 1555		
259 Toms Spezialitäten, Ltd	0221-5554327		
299 Norway Gifts By Mail, Co.	+47 2212 1555		
415 Bavarian Collectables Imports, Co.	+49 89 61 08 9555		
448 Scandinavian Gift Ideas 0695-34			

6. Tampilkan nama produk yang dipesan oleh customer dengan nama Atelier graphique! Format tampilan: customerName, orderNumber, orderDate, productCode, productName

```
-- No 6

SELECT customerName, orderNumber, orderDate, productCode, productName FROM products, customers, orders

WHERE productCode IN (SELECT productCode FROM orderdetails

WHERE orderNumber IN (SELECT orderNumber FROM orders

WHERE customerNumber IN (SELECT customerNumber FROM customers

WHERE customerName = 'Atelier graphique')))

AND customerName = 'Atelier graphique'

AND orderNumber IN (SELECT orderNumber FROM orders

WHERE customerNumber IN (SELECT customerNumber FROM customers

WHERE customerNumber IN (SELECT customerNumber FROM customers

WHERE customerName = 'Atelier graphique'));
```

customerName	orderNumber	orderDate	productCode	productName
Atelier graphique	10123	2003-05-20 00:00:00	S18_1589	1965 Aston Martin DB5
Atelier graphique	10298	2004-09-27 00:00:00	S18_1589	1965 Aston Martin DB5
Atelier graphique	10345	2004-11-25 00:00:00	S18_1589	1965 Aston Martin DB5
Atelier graphique	10123	2003-05-20 00:00:00	S18_2870	1999 Indy 500 Monte Carlo SS
Atelier graphique	10298	2004-09-27 00:00:00	S18_2870	1999 Indy 500 Monte Carlo SS
Atelier graphique	10345	2004-11-25 00:00:00	S18_2870	1999 Indy 500 Monte Carlo SS
Atelier graphique	10123	2003-05-20 00:00:00	S18_3685	1948 Porsche Type 356 Roadster
Atelier graphique	10298	2004-09-27 00:00:00	S18_3685	1948 Porsche Type 356 Roadster
Atelier graphique	10345	2004-11-25 00:00:00	S18_3685	1948 Porsche Type 356 Roadster
Atelier graphique	10123	2003-05-20 00:00:00	S24_1628	1966 Shelby Cobra 427 S/C
Atelier graphique	10298	2004-09-27 00:00:00	S24_1628	1966 Shelby Cobra 427 S/C
Atelier graphique	10345	2004-11-25 00:00:00	S24_1628	1966 Shelby Cobra 427 S/C
Atelier graphique	10123	2003-05-20 00:00:00	S10_2016	1996 Moto Guzzi 1100i
Atelier graphique	10298	2004-09-27 00:00:00	S10_2016	1996 Moto Guzzi 1100i
Atelier graphique	10345	2004-11-25 00:00:00	S10_2016	1996 Moto Guzzi 1100i
Atelier graphique	10123	2003-05-20 00:00:00	S18_2625	1936 Harley Davidson El Knucklehead
Atelier graphique	10298	2004-09-27 00:00:00	S18_2625	1936 Harley Davidson El Knucklehead
Atelier graphique	10345	2004-11-25 00:00:00	518_2625	1936 Harley Davidson El Knucklehead
Atelier graphique	10123	2003-05-20 00:00:00	S24_2022	1938 Cadillac V-16 Presidential Limousine
Atelier graphique	10298	2004-09-27 00:00:00	S24_2022	1938 Cadillac V-16 Presidential Limousine
Atelier graphique	10345	2004-11-25 00:00:00	524_2022	1938 Cadillac V-16 Presidential Limousine