LAPORAN QUIZ

BASIS DATA (PRAKTIKUM)

NAMA   : **MUKHAMAD IKHSANUDIN**

NIM   : **082011633086**

KELAS   : **I3**

DOSEN   : **Purbandini, S.Si., M.Kom.**

           197107122008122001

PROGRAM STUDI S1 SISTEM INFORMASI

FAKULTAS SAINS DAN TEKNOLOGI
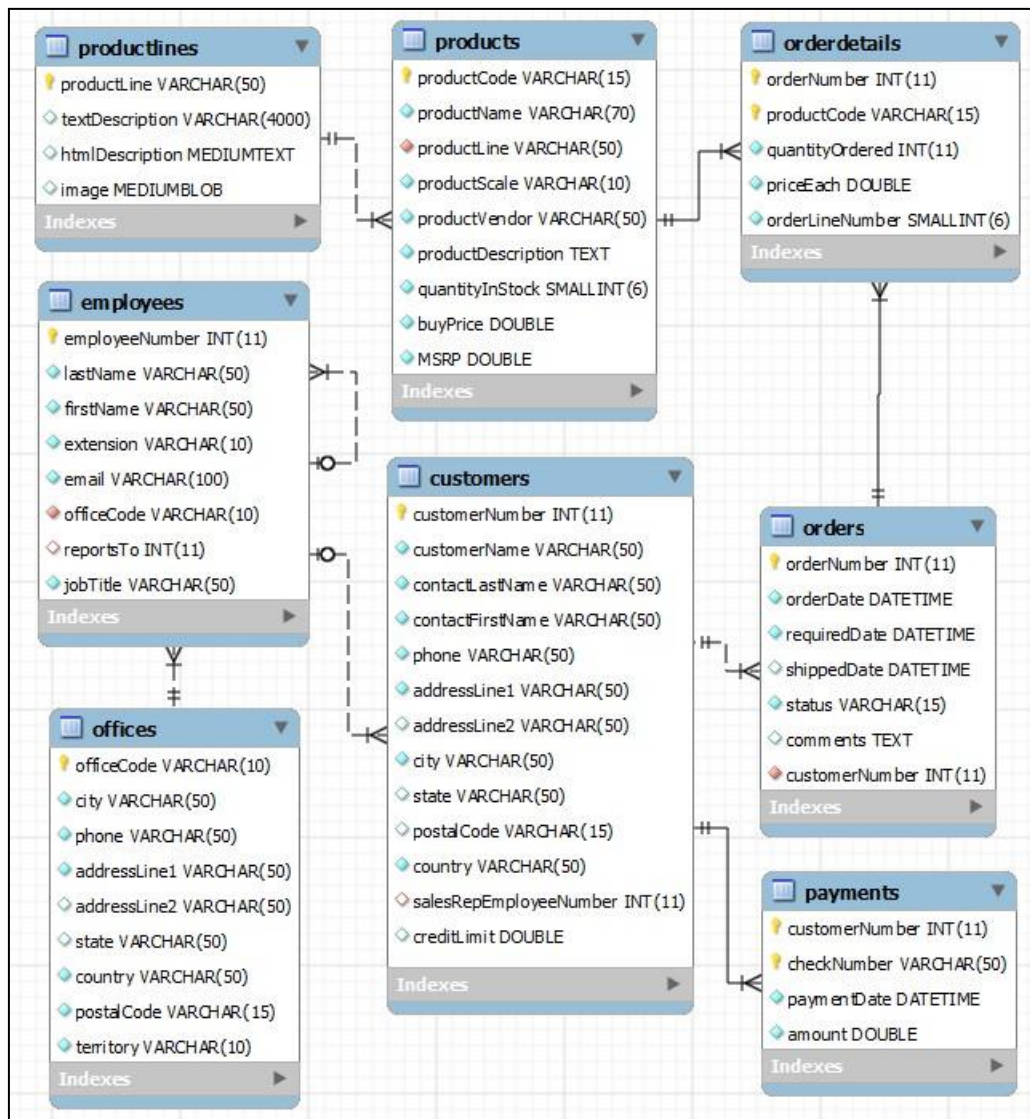
UNIVERSITAS AIRLANGGA

2021

Kuis 2

Jumat, 18
Juni 2021

Petunjuk Pengerjaan Kuis

a. Berikut ini adalah skema basis data classicalmodel. Silahkan Anda gunakan untuk

mengerjakansoal di bawah!

b. Pada setiap soal, buatlah **script SQL**-nya dan **capture hasilnya**. Kedua-duanya di-*paste*-kan

didokumen word dan diubah formatnya menjadi pdf.

c. Hasil pengerjaan yang Anda kumpulkan berupa dokumen Word dengan ketentuan penamaan file

Kuis2_NIM.pdf Contoh: Kuis2_081911633081.pdf

Soal

Catatan: *xxx* adalah 3 digit terakhir *NIM* Anda

1. Tampilkan data customer yang tidak melakukan order semester 1 tahun 2005!Format tampilan: *customerNumber, NamaCustomer_xxx*

   ## Catatan: semester 1 (Januari-Juni), semester 2 (Juli-Desember)

   ```
   -- No 1
   select c.customerNumber, c.customerName as NamaCustomer_086
   from customers c
   where c.customerNumber not in(
     select o.customerNumber
     from orders o
     where year(o.orderDate) = '2005' and month(o.orderDate) between 1 and 6
   )
   ```

customerNumber	NamaCustomer_086
103	Atelier graphique
112	Signal Gift Stores
114	Australian Collectors, Co.
121	Baane Mini Imports
125	Havel & Zbyszek Co
128	Blauer See Auto, Co.
129	Mini Wheels Co.
131	Land of Toys Inc.
144	Volvo Model Replicas, Co
146	Saveley & Henriot, Co.
151	Muscle Machine Inc
167	Herkku Gifts
168	American Souvenirs Inc
169	Porto Imports Co.
171	Daedalus Designs Imports
172	La Corne D'abondance, Co.
173	Cambridge Collectables Co.
177	Osaka Souveniers Co.
181	Vitachrome Inc.
187	AV Stores, Co.
189	Clover Collections, Co.
198	Auto-Moto Classics Inc.
202	Canadian Gift Exchange Network
204	Online Mini Collectables
206	Asian Shopping Network, Co
211	King Kong Collectables, Co.

customerNumber	NamaCustomer_086
216	Enaco Distributors
223	Natürlich Autos
227	Heintze Collectables
237	ANG Resellers
239	Collectable Mini Designs Co.
240	giftsbymail.co.uk
247	Messner Shopping Network
249	Amica Models & Co.
256	Auto Associés & Cie.
259	Toms Spezialitäten, Ltd
260	Royal Canadian Collectables, Ltd.
273	Franken Gifts, Co
278	Rovelli Gifts
286	Marta's Replicas Co.
293	BG&E Collectables
298	Vida Sport, Ltd
299	Norway Gifts By Mail, Co.
303	Schuyler Imports
307	Der Hund Imports
319	Mini Classics
324	Stylish Desk Decors, Co.
335	Cramer Spezialitäten, Ltd
339	Classic Gift Ideas, Inc
344	CAF Imports
347	Men 'R' US Retailers, Ltd.
348	Asian Treasures, Inc.

customerNumber	NamaCustomer_086
356	SAR Distributors, Co
361	Kommission Auto
363	Online Diecast Creations Co.
369	Lisboa Souveniers, Inc
376	Precious Collectables
385	Cruz & Sons Co.
409	Stuttgart Collectable Exchange
415	Bavarian Collectables Imports, Co.
424	Classic Legends Inc.
443	Feuer Online Stores, Inc
447	Gift Ideas Corp.
455	Super Scale Inc.
456	Microscale Inc.
458	Corrida Auto Replicas, Ltd
459	Warburg Exchange
465	Anton Designs, Ltd.
473	Frau da Collezione
475	West Coast Collectables Co.
477	Mit Vergnügen & Co.
480	Kremlin Collectables, Co.
481	Raanan Stores, Inc
484	Iberia Gift Imports, Corp.
486	Motor Mint Distributors Inc.
487	Signal Collectibles Ltd.
489	Double Decker Gift Stores, Ltd
495	Diecast Collectables

2. Tampilkan data barang yang tidak terjual semester 2 tahun
   2003!Format tampilan: *productCode_xxx, productName*
   ## Catatan: semester 1 (Januari-Juni), semester 2 (Juli-Desember)

```
-- No 2
select p.productCode as productCode_086, p.productName
from products p
where productCode NOT IN(
   select distinct od.productCode
   from orderDetails od
   where od.orderNumber IN(
        select o.orderNumber
        from orders o
        where year(orderDate) = '2003' and month(orderDate) between 7 and 12
        )
  )
```

productCode_086	productName
S18_3233	1985 Toyota Supra

3. Tampilkan Nama customer, Kota Customer, ID Order, serta jumlah jenis barang yang dipesan
   setiap customer di mana jumlah jenis barang yang dibeli lebih dari 15 jenis dan urutkan
   berdasar kota Customer secara ascending!
   Format tampilan: *customerName, city, orderNumber, jumlah jenis barang sebagai
   sum_things_xxx*

```
-- No 3
SELECT c.customerName, c.city, o.orderNumber, COUNT(od.productCode) AS sum_things_086
FROM orders o
inner JOIN customers c ON c.customerNumber = o.customerNumber
inner JOIN orderDetails od on o.orderNumber = od.orderNumber
GROUP BY c.customerName HAVING sum_things_086 > 15
ORDER BY city
```

customerName	city	orderNumber	sum_things_086
Diecast Classics Inc.	Allentown	10272	31
Down Under Souveniers, Inc	Auckland	10132	46
Kelly's Gift Shop	Auckland	10138	48
GiftsForHim.com	Auckland	10202	26
Enaco Distributors	Barcelona	10118	23
Rovelli Gifts	Bergamo	10106	48
Herkku Gifts	Bergen	10181	29
Gifts4AllAges.com	Boston	10264	26
Diecast Collectables	Boston	10207	18
Collectables For Less Inc.	Brickhaven	10147	24
Gift Depot Inc.	Bridgewater	10172	25
Petit Auto	Bruxelles	10221	25
Scandinavian Gift Ideas	Bräcke	10167	38
Technics Stores Inc.	Burlingame	10140	34
Marta's Replicas Co.	Cambridge	10285	27
King Kong Collectables, Co.	Central Hong Kong	10187	16
Souveniers And Things Co.	Chatswood	10139	46
giftsbymail.co.uk	Cowes	10232	26
Clover Collections, Co.	Dublin	10220	16
Suominen Souveniers	Espoo	10141	30
Blauer See Auto, Co.	Frankfurt	10101	22

customerName	city	orderNumber	sum_things_086
Vida Sport, Ltd	Genève	10225	31
Australian Collectables, Ltd	Glen Waverly	10193	23
Gift Ideas Corp.	Glendale	10131	19
Toys of Finland, Co.	Helsinki	10155	30
Osaka Souveniers Co.	Kita-ku	10210	20
Danish Wholesale Imports	Kobenhavn	10105	36
Toms Spezialitäten, Ltd	Köln	10191	26
Signal Gift Stores	Las Vegas	10124	29
Daedalus Designs Imports	Lille	10180	20
UK Collectables, Ltd.	Liverpool	10253	29
Stylish Desk Decors, Co.	London	10129	26
Volvo Model Replicas, Co	Luleå	10112	19
Saveley & Henriot, Co.	Lyon	10194	41
Euro+ Shopping Channel	Madrid	10104	259
Corrida Auto Replicas, Ltd	Madrid	10126	32
Cruz & Sons Co.	Makati City	10108	26
AV Stores, Co.	Manchester	10110	51
Marseille Mini Autos	Marseille	10122	25
Australian Collectors, Co.	Melbourne	10120	55
Tokyo Collectables, Ltd	Minato-ku	10258	32
Québec Home Shopping Network	Montréal	10171	22

customerName	city	orderNumber	sum_things_086
La Rochelle Gifts	Nantes	10275	53
Online Diecast Creations Co.	Nashua	10100	34
Mini Creations Ltd.	New Bedford	10143	35
FunGiftIdeas.com	New Bedford	10166	26
Super Scale Inc.	New Haven	10196	17
Tekni Collectables Inc.	Newark	10233	21
Anna's Decorations, Ltd	North Sydney	10148	46
Vitachrome Inc.	NYC	10102	25
Classic Legends Inc.	NYC	10115	20
Muscle Machine Inc	NYC	10127	48
Land of Toys Inc.	NYC	10107	49
Norway Gifts By Mail, Co.	Oslo	10284	24
Oulu Toy Supplies, Inc.	Oulu	10151	32
Auto Canal+ Petit	Paris	10211	27
Lyon Souveniers	Paris	10134	20
La Corne D'abondance, Co.	Paris	10114	23
Toys4GrownUps.com	Pasadena	10145	30
Classic Gift Ideas, Inc	Philadelphia	10183	21
Motor Mint Distributors Inc.	Philadelphia	10109	23
L'ordine Souveniers	Reggio Emilia	10176	39
Reims Collectables	Reims	10121	41

	customerName	city	orderNumber	sum_things_086
☐	Salzburg Collectables	Salzburg	10119	40
☐	Collectable Mini Designs Co.	San Diego	10222	25
☐	Mini Wheels Co.	San Francisco	10111	21
☐	Corporate Gift Ideas Co.	San Francisco	10159	41
☐	The Sharp Gifts Warehouse	San Jose	10250	40
☐	Mini Gifts Distributors Ltd.	San Rafael	10113	180
☐	Dragon Souveniers, Ltd.	Singapore	10117	43
☐	Handji Gifts& Co	Singapore	10217	36
☐	Baane Mini Imports	Stavern	10103	32
☐	Mini Caravy	Strasbourg	10241	19
☐	Amica Models & Co.	Torino	10280	26
☐	Alpha Cognac	Toulouse	10136	20
☐	Royal Canadian Collectables, Ltd.	Tsawassen	10235	26
☐	Canadian Gift Exchange Network	Vancouver	10206	22
☐	Auto Associés & Cie.	Versailles	10216	18
☐	Extreme Desk Decorations, Ltd	Wellington	10234	29
☐	Mini Classics	White Plains	10195	26
☐	Heintze Collectables	Århus	10161	27

4. Tampilkan jumlah produk yang terjual dari line Planes, Trains, dan Ships di mana penjualan
    dilakukan setelah tahun 2003! Urutkan pula jumlah penjualan dari yang terbesar ke terkecil!
    Format tampilan: *productName, productLine, jumlah barang terjual sebagai*
    sum_ordered_xxx

```
-- No 4
select p.productName, p.productLine, sum(od.quantityOrdered) as sum_ordered_086
from products p
inner JOIN orderdetails od on od.productCode = p.productCode
inner JOIN orders o on o.orderNumber = od.orderNumber
where p.productline in ('Planes', 'Trains', 'Ships') and year(o.orderDate) > '2003'
GROUP BY p.productName
ORDER BY sum_ordered_086 DESC;
```

productName	productLine	sum_ordered_086
American Airlines: MD-11S	Planes	739
1980s Black Hawk Helicopter	Planes	711
Corsair F4U (Bird Cage)	Planes	708
America West Airlines B757-200	Planes	701
1900s Vintage Tri-Plane	Planes	695
F/A 18 Hornet 1/72	Planes	694
ATA: B757-300	Planes	693
The USS Constitution Ship	Ships	672
18th century schooner	Ships	655
1962 City of Detroit Streetcar	Trains	652
Boeing X-32A JSF	Planes	650
HMS Bounty	Ships	647
The Schooner Bluenose	Ships	642
1900s Vintage Bi-Plane	Planes	640
The Queen Mary	Ships	632
The Titanic	Ships	632
P-51-D Mustang	Planes	624
Pont Yacht	Ships	614
1999 Yamaha Speed Boat	Ships	609
1928 British Royal Navy Airplane	Planes	609
Collectable Wooden Train	Trains	604
The Mayflower	Ships	585
American Airlines: B767-300	Planes	575
1950's Chicago Surface Lines Streetcar	Trains	562

5. Tampilkan data customer di mana status ordernya "TERTAHAN/On Hold" beserta alasannya Format tampilan: *Customer_xxx, customer name, address, order_xxx, product, productline,date,status, comments*

   Di mana:
   - Customer_xxx alias dari customerNumber,
   - cumstomer Name alias dari contactfirstname+contactlastname,
   - Address alias dari city + country,
   - Order_xxx alias dari ordernumber
   - Product alias dari productname.

```
-- No 5
SELECT c.customerNumber AS customer_086,
CONCAT(c.contactFirstName, ' ',c.contactLastName) AS customerName,
CONCAT(c.city,' ',c.country) AS Address, od.orderNumber AS order_086,
p.productName AS product, p.productLine, o.orderDate AS date, o.status, o.comments
FROM customers c
INNER JOIN orders o ON c.customerNumber = o.customerNumber
INNER JOIN orderdetails od ON o.orderNumber = od.orderNumber
INNER JOIN products p ON od.productCode = p.productCode
WHERE o.status LIKE '%On Hold%'
```

customer_086	customerName	Address	order_086	product	productLine	date	status	comments
144	Christina Berglund	Luleå Sweden	10334	1962 LanciaA Delta 16V	Classic Cars	2004-11-19 00:00:00	On Hold	The outstaniding
144	Christina Berglund	Luleå Sweden	10334	1964 Mercedes Tour Bus	Trucks and Buses	2004-11-19 00:00:00	On Hold	The outstaniding
144	Christina Berglund	Luleå Sweden	10334	1926 Ford Fire Engine	Trucks and Buses	2004-11-19 00:00:00	On Hold	The outstaniding
144	Christina Berglund	Luleå Sweden	10334	1992 Ferrari 360 Spider red	Classic Cars	2004-11-19 00:00:00	On Hold	The outstaniding
144	Christina Berglund	Luleå Sweden	10334	1940s Ford truck	Trucks and Buses	2004-11-19 00:00:00	On Hold	The outstaniding
144	Christina Berglund	Luleå Sweden	10334	1962 Volkswagen Microbus	Trucks and Buses	2004-11-19 00:00:00	On Hold	The outstaniding
328	William Brown	Newark USA	10401	P-51-D Mustang	Planes	2005-04-03 00:00:00	On Hold	Customer credit
328	William Brown	Newark USA	10401	1928 British Royal Navy Airplane	Planes	2005-04-03 00:00:00	On Hold	Customer credit
328	William Brown	Newark USA	10401	Corsair F4U (Bird Cage)	Planes	2005-04-03 00:00:00	On Hold	Customer credit
328	William Brown	Newark USA	10401	1900s Vintage Tri-Plane	Planes	2005-04-03 00:00:00	On Hold	Customer credit
328	William Brown	Newark USA	10401	1997 BMW F650 ST	Motorcycles	2005-04-03 00:00:00	On Hold	Customer credit
328	William Brown	Newark USA	10401	1928 Ford Phaeton Deluxe	Vintage Cars	2005-04-03 00:00:00	On Hold	Customer credit
328	William Brown	Newark USA	10401	1930 Buick Marquette Phaeton	Vintage Cars	2005-04-03 00:00:00	On Hold	Customer credit
328	William Brown	Newark USA	10401	American Airlines: B767-300	Planes	2005-04-03 00:00:00	On Hold	Customer credit
328	William Brown	Newark USA	10401	America West Airlines B757-200	Planes	2005-04-03 00:00:00	On Hold	Customer credit
328	William Brown	Newark USA	10401	ATA: B757-300	Planes	2005-04-03 00:00:00	On Hold	Customer credit
328	William Brown	Newark USA	10401	F/A 18 Hornet 1/72	Planes	2005-04-03 00:00:00	On Hold	Customer credit
328	William Brown	Newark USA	10401	American Airlines: MD-11S	Planes	2005-04-03 00:00:00	On Hold	Customer credit
362	Juri Yoshido	Boston USA	10414	1972 Alfa Romeo GTA	Classic Cars	2005-05-06 00:00:00	On Hold	Customer credit
362	Juri Yoshido	Boston USA	10414	1999 Yamaha Speed Boat	Ships	2005-05-06 00:00:00	On Hold	Customer credit
362	Juri Yoshido	Boston USA	10414	1903 Ford Model A	Vintage Cars	2005-05-06 00:00:00	On Hold	Customer credit
362	Juri Yoshido	Boston USA	10414	Collectable Wooden Train	Trains	2005-05-06 00:00:00	On Hold	Customer credit

customer_086	customerName	Address	order_086	product	productLine	date	status	comments
362	Juri Yoshido	Boston USA	10414	1904 Buick Runabout	Vintage Cars	2005-05-06 00:00:00	On Hold	Customer credit
362	Juri Yoshido	Boston USA	10414	18th century schooner	Ships	2005-05-06 00:00:00	On Hold	Customer credit
362	Juri Yoshido	Boston USA	10414	1912 Ford Model T Delivery Wagon	Vintage Cars	2005-05-06 00:00:00	On Hold	Customer credit
362	Juri Yoshido	Boston USA	10414	1940 Ford Delivery Sedan	Vintage Cars	2005-05-06 00:00:00	On Hold	Customer credit
362	Juri Yoshido	Boston USA	10414	The Schooner Bluenose	Ships	2005-05-06 00:00:00	On Hold	Customer credit
362	Juri Yoshido	Boston USA	10414	The Mayflower	Ships	2005-05-06 00:00:00	On Hold	Customer credit
362	Juri Yoshido	Boston USA	10414	The USS Constitution Ship	Ships	2005-05-06 00:00:00	On Hold	Customer credit
362	Juri Yoshido	Boston USA	10414	The Titanic	Ships	2005-05-06 00:00:00	On Hold	Customer credit
362	Juri Yoshido	Boston USA	10414	The Queen Mary	Ships	2005-05-06 00:00:00	On Hold	Customer credit
362	Juri Yoshido	Boston USA	10414	Pont Yacht	Ships	2005-05-06 00:00:00	On Hold	Customer credit
450	Sue Frick	San Jose USA	10407	1965 Aston Martin DB5	Classic Cars	2005-04-22 00:00:00	On Hold	Customer credit
450	Sue Frick	San Jose USA	10407	1917 Grand Touring Sedan	Vintage Cars	2005-04-22 00:00:00	On Hold	Customer credit
450	Sue Frick	San Jose USA	10407	1911 Ford Town Car	Vintage Cars	2005-04-22 00:00:00	On Hold	Customer credit
450	Sue Frick	San Jose USA	10407	1999 Indy 500 Monte Carlo SS	Classic Cars	2005-04-22 00:00:00	On Hold	Customer credit
450	Sue Frick	San Jose USA	10407	1932 Alfa Romeo 8C2300 Spider Sport	Vintage Cars	2005-04-22 00:00:00	On Hold	Customer credit
450	Sue Frick	San Jose USA	10407	1957 Ford Thunderbird	Classic Cars	2005-04-22 00:00:00	On Hold	Customer credit
450	Sue Frick	San Jose USA	10407	1970 Chevy Chevelle SS 454	Classic Cars	2005-04-22 00:00:00	On Hold	Customer credit
450	Sue Frick	San Jose USA	10407	1966 Shelby Cobra 427 S/C	Classic Cars	2005-04-22 00:00:00	On Hold	Customer credit
450	Sue Frick	San Jose USA	10407	1949 Jaguar XK 120	Classic Cars	2005-04-22 00:00:00	On Hold	Customer credit
450	Sue Frick	San Jose USA	10407	1952 Citroen-15CV	Classic Cars	2005-04-22 00:00:00	On Hold	Customer credit
450	Sue Frick	San Jose USA	10407	1969 Chevrolet Camaro Z28	Classic Cars	2005-04-22 00:00:00	On Hold	Customer credit
450	Sue Frick	San Jose USA	10407	2002 Chevy Corvette	Classic Cars	2005-04-22 00:00:00	On Hold	Customer credit

6. Tampikan customer yang melakukan order barang dengan total pembayaran 50000-51000.Format tampilan: *Customer#, customer, order#, product name, item count, total*

Di mana:

- Customer_xxx alias dari customerNumber,
- cumstomer Name alias dari contactfirstname+contactlastname,
- order_xxx alias dari ordernumber,
- item count adalah jumlah dari kuantiti product
- total adalah jumlah dari kuantiti * harga satuan product

```
-- No 6
SELECT c.customerNumber AS Customer_086,
CONCAT(c.contactFirstName, " ", c.contactLastName) AS customerName,
o.orderNumber AS order_086, od.quantityOrdered AS item_count,
(od.quantityOrdered*od.priceEach) AS total
FROM customers c
INNER JOIN orders o ON c.customerNumber = o.CustomerNumber
INNER JOIN orderdetails od ON o.orderNumber = od.orderNumber
HAVING total BETWEEN '50000' AND '51000'
```

☐ Customer_086	customerName	order_086	item_count	total