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KEGIATAN PRAKTIKUM

Membuat direktori C:\xampp\mysql\bin lalu langsung menggunakan database perbankan yang sudah ada di PhpMyAdmin

The screenshot shows a Windows command prompt window on the left and a web browser window on the right. The command prompt displays the following text:

```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 4.1.9601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\L2001>cd..
C:\Users>cd..
C:\Users>cd C:\xampp\mysql\bin
C:\xampp\mysql\bin>mysql -u root -p
Enter password:
Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MariaDB connection id is 16
Server version: 10.1.37-MariaDB mariadb.org binary distribution
Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> use perbankan;
Database changed
MariaDB [(perbankan)]> show tables;
+-----+
| Tables in `perbankan` |
+-----+
| cabang_bank          |
| nasabah              |
| nasabah_has rekening |
| rekening             |
| transaksi             |
+-----+
3 rows in set (0.00 sec)

MariaDB [(perbankan)]> desc tb_nasabah;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| id_nasabah | int(11) | NO | PRI | NULL | |
| nama_nasabah | varchar(45) | NO | | NULL | |
| alamat_nasabah | varchar(255) | NO | | NULL | |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

MariaDB [(perbankan)]> select * from nasabah;
+-----+-----+-----+
| id_nasabah | nama_nasabah | alamat_nasabah |
+-----+-----+-----+
| 1 | Eutopo | Jl. Jenderal Sudirman 12 |
| 2 | Maryani | Jl. RI Harau 21 |
| 3 | Supernan | Jl. Rasanudin 81 |
| 4 | Ratihya Radnawati | Jl. Soekarno 15 |
| 5 | Badi Eka Pratomo | Jl. Kartika 28 |
| 6 | Estria Eka Jaya | Jl. Slamet Riyadi 45 |
| 7 | Triandana | Jl. Eutopo 5 |
| 8 | Sari Nurli | Jl. Pangeran 11 |
| 9 | Genta Lohannata | Jl. Tidar 86 |
| 10 | Badi Hartono | Jl. Perak 22 |
+-----+-----+-----+
```

The web browser window on the right shows the PhpMyAdmin interface. It displays a table named 'nasabah' with the following columns: 'id_nasabah', 'nama_nasabah', and 'alamat_nasabah'. The table contains 10 rows of data, matching the output of the SQL query in the command prompt.

The screenshot shows the Microsoft Word ribbon with the 'Font' group selected. The 'AaBbCcDd' button is highlighted, and the 'AaBbCcDd' font style is selected. The ribbon also shows 'Find', 'Replace', 'Select', and 'Editing' options.

TUGAS

1. Menampilkan nama nasabah, alamat nasabah, jenis transaksi dan jumlah transaksi dimana jenis transaksinya adalah kredit dan diurutkan berdasarkan nama nasabah.

The screenshot shows a Java Swing application with a title bar "Gedung20200303\Gedung20200303 - Notepad". The main window contains a list of employees and a table of their salaries.

Employee List:

No	Nama	Jenis	Alamat
1	Berpati	Jl. RT Barayana 21	
2	Suparman	Jl. Basanudin 81	
3	Martika Padmasari	Jl. Manggis 15	
4	Budi Iku Prasaja	Jl. Karti 20	
5	Stetris Iku Jaya	Jl. Iman Bangjal 49	
6	Trisnandya	Jl. Sutaga 5	
7	Sari Putri	Jl. Diponegoro 11	
8	Candika Lokananta	Jl. Lida 81	
9	Budi Martono	Jl. Berk 22	
10	Budi Martono	Jl. RRT 10	
11	Danindya	Jl. RRT Balak 22	
12	Puput	Jl. RRT 10	
13	Meliana	Jl. Jend. Sudirman 99	
14	Putri	Jl. Diponegoro 19	
15	Berpati	Jl. Karti 20	
16	Mutiati Sutawana	Jl. Dr. Rachman 11	
17	Pandan Wangi	Jl. Iman Bangjal 20	
18	Andara	Jl. Permana 26	
19	Rangga	Jl. Jend. Sudirman 80	
20	Cinta	Jl. Karti 24	

Salary Table:

nama_nazabah	alamat_nazabah	jenis_transaksi	jumlah
Budi Iku Prasaja	Jl. Karti 20	keudat	500000
Budi Iku Prasaja	Jl. Karti 20	keudat	2000000
Budi Martono	Jl. Berk 22	keudat	1.000000
Candika Lokananta	Jl. Lida 81	keudat	150000
Danindya	Jl. RRT Balak 22	keudat	250000
Martika Padmasari	Jl. Manggis 15	keudat	500000
Martika Padmasari	Jl. Manggis 15	keudat	2000000
Martika Padmasari	Jl. Manggis 15	keudat	200000
Berpati	Jl. RT Barayana 21	keudat	100000
Berpati	Jl. RT Barayana 21	keudat	1000000
Pandan Wangi	Jl. Iman Bangjal 20	keudat	800000
Pandan Wangi	Jl. Iman Bangjal 20	keudat	500000
Puput	Jl. RRT 10	keudat	1250000
Puput	Jl. RRT 10	keudat	1250000
Puput	Jl. RRT 10	keudat	1500000
Puput	Jl. RRT 10	keudat	500000
Putri	Jl. Diponegoro 19	keudat	500000
Putri	Jl. Diponegoro 19	keudat	1700000
Suparman	Jl. Basanudin 81	keudat	500000
Suparman	Jl. Basanudin 81	keudat	500000
Suparman	Jl. Basanudin 81	keudat	1000000
Suparman	Jl. Basanudin 81	keudat	2000000
Sutaga	Jl. Jendral Sudirman 12	keudat	1000000
Sutaga	Jl. Jendral Sudirman 12	keudat	1000000

The application also shows a command prompt window with the following commands and output:

```

C:\Windows\system32\cmd.exe /c cd C:\Users\user\Documents
C:\Users\user\Documents> java -jar Gedung20200303.jar
Gedung20200303 (perubahan1)
C:\Users\user\Documents>
  
```

2. Menampilkan nomor rekening, nama nasabah, jenis transaksi dan jumlah transaksi yang melakukan pada tanggal 21 November 2009 dan diurutkan berdasarkan nama nasabah.

The screenshot shows a Windows desktop with a taskbar at the bottom containing icons for various applications including File Explorer, Google Chrome, and a terminal. The terminal window is open, displaying a series of SQL commands and their outputs. The commands are executed in a MySQL shell, and the results are displayed in a text-based table format. The first query lists all transactions, and the second query filters for transactions by customer name. The web browser window is open to a local file, showing a simple HTML page with the text 'BY NAMA_NASABAH:'.

MySQL Command Prompt Output:

```

C:\Program Files\MySQL\MySQL Server 5.6> mysql -u root -p
mysql> use bank;
mysql> select * from transaksi;
+-----+-----+-----+-----+
| nama_nasabah | alamat_nasabah | jenis_transaksi | jumlah |
+-----+-----+-----+-----+
| Budi Eko Praseno | Jl. Kentil 10 | kredit | 100000 |
| Budi Eko Praseno | Jl. Kentil 10 | kredit | 200000 |
| Budi Martono | Jl. Merah 22 | kredit | 1200000 |
| Ciska Lekananta | Jl. Lida 85 | kredit | 1500000 |
| Endang | Jl. Rsi Balah 22 | kredit | 75000 |
| Endang | Jl. Rsi Balah 22 | kredit | -50000 |
| Kartika Padmasari | Jl. Mangga 15 | kredit | 2000000 |
| Kartika Padmasari | Jl. Mangga 15 | kredit | 200000 |
| Kartika Padmasari | Jl. Mangga 15 | kredit | 200000 |
| Margati | Jl. H. Haryono 31 | kredit | 1000000 |
| Margati | Jl. H. Haryono 31 | kredit | 2000000 |
| Pamban Mangi | Jl. Iwan Bojoi 20 | kredit | 800000 |
| Pamban Mangi | Jl. Iwan Bojoi 20 | kredit | 50000 |
| Puput | Jl. GND 10 | kredit | 125000 |
| Puput | Jl. GND 10 | kredit | 125000 |
| Puput | Jl. GND 10 | kredit | 1500000 |
| Puput | Jl. GND 10 | kredit | 200000 |
| Tutri | Jl. Diponegoro 13 | kredit | 500000 |
| Tutri | Jl. Diponegoro 13 | kredit | 1750000 |
| Suparman | Jl. Rasasunda 81 | kredit | 500000 |
| Suparman | Jl. Rasasunda 81 | kredit | 50000 |
| Suparman | Jl. Rasasunda 81 | kredit | 1000000 |
| Sutopo | Jl. Jendral Sudirman 12 | kredit | 2000000 |
| Sutopo | Jl. Jendral Sudirman 12 | kredit | 1000000 |
mysql>

```

MySQL Query Results:

Query 1: select * from transaksi;

nama_nasabah	alamat_nasabah	jenis_transaksi	jumlah
Budi Eko Praseno	Jl. Kentil 10	kredit	100000
Budi Eko Praseno	Jl. Kentil 10	kredit	200000
Budi Martono	Jl. Merah 22	kredit	1200000
Ciska Lekananta	Jl. Lida 85	kredit	1500000
Endang	Jl. Rsi Balah 22	kredit	75000
Endang	Jl. Rsi Balah 22	kredit	-50000
Kartika Padmasari	Jl. Mangga 15	kredit	2000000
Kartika Padmasari	Jl. Mangga 15	kredit	200000
Kartika Padmasari	Jl. Mangga 15	kredit	200000
Margati	Jl. H. Haryono 31	kredit	1000000
Margati	Jl. H. Haryono 31	kredit	2000000
Pamban Mangi	Jl. Iwan Bojoi 20	kredit	800000
Pamban Mangi	Jl. Iwan Bojoi 20	kredit	50000
Puput	Jl. GND 10	kredit	125000
Puput	Jl. GND 10	kredit	125000
Puput	Jl. GND 10	kredit	1500000
Puput	Jl. GND 10	kredit	200000
Tutri	Jl. Diponegoro 13	kredit	500000
Tutri	Jl. Diponegoro 13	kredit	1750000
Suparman	Jl. Rasasunda 81	kredit	500000
Suparman	Jl. Rasasunda 81	kredit	50000
Suparman	Jl. Rasasunda 81	kredit	1000000
Sutopo	Jl. Jendral Sudirman 12	kredit	2000000
Sutopo	Jl. Jendral Sudirman 12	kredit	1000000

Query 2: select rekening.no_rekening, nasabah.nama_nasabah, transaksi.jenis_transaksi, transaksi.jumlah from rekening, nasabah, transaksi where rekening.no_rekening = transaksi.no_rekening and nasabah.id_nasabah = transaksi.id_nasabah; -- 21 November 2007 -- ORDER BY nama_nasabah;

no_rekening	nama_nasabah	jenis_transaksi	jumlah
105	Suparman	debit	60000

Query 3: select rekening.no_rekening, nasabah.nama_nasabah, transaksi.jenis_transaksi, transaksi.jumlah from rekening, nasabah, transaksi where rekening.no_rekening = transaksi.no_rekening and nasabah.id_nasabah = transaksi.id_nasabah; -- 2007-11-21 -- ORDER BY nama_nasabah;

no_rekening	nama_nasabah	jenis_transaksi	jumlah
105	Suparman	debit	60000

Web Browser Output:

BY NAMA_NASABAH:

- Menampilkan nomor rekening, nama nasabah, jenis transaksi dan jumlah transaksi dimana jumlah transaksi berjumlah Rp 20.000

The screenshot shows a SQL query execution in a terminal window. The query is: `select rekening.no_rekening, nasabah.nama_nasabah, transaksi.jenis_transaksi, transaksi.jumlah from rekening, nasabah, transaksi where rekening.no_rekening = transaksi.no_rekeningFK and nasabah.id_nasabah = transaksi.id_nasabahFK and tanggal = '2009-11-21' ORDER BY nama_nasabah;` The result shows a single transaction for Supaman with a debit of 20,000.

no_rekening	nama_nasabah	jenis_transaksi	jumlah
185	Supaman	debit	20000

- Menampilkan nomor rekening, nama nasabah, dan alamat nasabah dimana nama nasabah di awali dengan kata 'Su'

The screenshot shows a SQL query execution in a terminal window. The query is: `select no_rekening, nasabah.nama_nasabah, alamat_nasabah from rekening, nasabah, transaksi where rekening.no_rekening = transaksi.no_rekeningFK and nasabah.id_nasabah = transaksi.id_nasabahFK and rekening.no_rekening = transaksi.no_rekeningFK and nasabah.nama_nasabah like 'Su';` The result shows a list of transactions for customers whose names start with 'Su'.

no_rekening	nama_nasabah	alamat_nasabah
184	Supaman	Jl. Jenderal Sudirman 12
185	Supaman	Jl. Basuudin 81
186	Supaman	Jl. Basuudin 81

5. Menampilkan nomor rekening dengan alias 'Nomor Rekening', nama nasabah dengan alias 'Nama Nasabah', jumlah transaksi dengan alias 'Jumlah Transaksi' dimana jenis transaksinya adalah debit dan diurutkan berdasarkan nama nasabah.

The screenshot shows a SQL query being executed in a command prompt window. The query is as follows:

```
Marich0 [perbanhan] select no_rekening as 'Nomor Rekening', nama_nasabah as 'Nama Nasabah', jumlah as 'Jumlah Transaksi' from rekening, nasabah, transaksi where no_rekening=rekeningPK_transaksiPK and nasabah.id_nasabah_transaksiPK and jenis_transaksi = 'debit' order by nama_nasabah
```

The result of the query is displayed in a table with three columns: Nomor Rekening, Nama Nasabah, and Jumlah Transaksi. The data is sorted by the name of the customer (Nama Nasabah).

Nomor Rekening	Nama Nasabah	Jumlah Transaksi
115	Bening	100000
102	Budi Eko Prasetyo	20000
102	Budi Eko Prasetyo	20000
102	Budi Eko Prasetyo	20000
106	Budi Hartono	100000
119	Budi Hartono	100000
110	Ceko Lokasanta	20000
123	Daninda	200000
123	Daninda	200000
107	Eratika Padmasari	100000
101	Eratika Padmasari	50000
118	Eratika Padmasari	100000
118	Eratika Padmasari	150000
118	Eratika Padmasari	200000
103	Harveti	40000
103	Harveti	50000
103	Harveti	40000
103	Harveti	100000
117	Helina	50000
119	Helina	50000
106	Suparman	50000
105	Suparman	40000
105	Suparman	50000
104	Suparman	50000
104	Suparman	50000
109	Triandya	100000

The screenshot also shows a web browser window with the URL `http://nama_nasabah` in the address bar.