

ADMINISTRASI BASIS DATA

Laporan Modul 3 A

Dosen pengampu:

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PROGRAM STUDY PENDIDIKAN TEKNOLOGI INFORMASI

FAKULTAS SAINS TEKNIK DAN TERAPAN

UNIVERSITAS PENDIDIKAN MANDALIKA

Tahun 2025

Praktek 1

The screenshot shows the MySQL Workbench interface. In the top-left, the Navigator pane lists databases: db_buku_tamu, phpmyadmin, ptc_mart, and test. The ptc_mart database is selected. The top-right pane displays a message: "Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help." The main area shows a query editor with the following SQL code:

```
7 • use ptc_mart;
8
9 -- ORDER BY
10 -- menggunakan data dari sebuah field/kolo, atau hasil oleh kolom
11 -- Praktek 1
12 -- ambil nama produk dan qty dari tabel penjualan urutkan qty
13 • SELECT nama_produk, qty FROM tr_penjualan ORDER BY qty;
```

The Result Grid shows the output of the query:

nama_produk	qty
Flash disk DQLab 32 GB	1
Tas Travel Organizer DQLab	1
Kotak Pensil DQLab	1
Gift Voucher DQLab 100rb	2
Flashdisk DQLab 64 GB	2
Flashdisk DQLab 32 GB	2
Gantungan Kund DQLab	2
Buku Planner Agenda DQSQuad	3
Flashdisk DQLab 32 GB	3
Buku Planner Agenda DQSQuad	3
Sticky Notes DQLab 500 sheets	4
Flashdisk DQLab 32 GB	4

The Output pane shows the execution log:

#	Time	Action	Message	Duration / Fetch
1	00:45:09	use ptc_mart	0 row(s) affected	0.000 sec
2	00:45:18	SELECT nama_produk, qty FROM tr_penjualan ORDER BY qty LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec

The bottom status bar shows: 26°C Cerah, Cari, and the date/time: 00:45 30/05/2025.

Praktek 2

The screenshot shows the MySQL Workbench interface. In the top-left, the Navigator pane lists databases: db_buku_tamu, phpmyadmin, ptc_mart, and test. The ptc_mart database is selected. The top-right pane displays a message: "Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help." The main area shows a query editor with the following SQL code:

```
11 -- Praktek 1
12 -- ambil nama produk dan qty dari tabel penjualan urutkan qty
13 • SELECT nama_produk, qty FROM tr_penjualan ORDER BY qty;
14
15 -- Praktek 2
16 -- ambil name produk, qty dari tb penjualan urutkan qty dan nama produk
17 • SELECT nama_produk, qty FROM tr_penjualan ORDER BY qty, nama_produk;
```

The Result Grid shows the output of the query:

nama_produk	qty
Flash disk DQLab 32 GB	1
Kotak Pensil DQLab	1
Tas Travel Organizer DQLab	1
Flashdisk DQLab 32 GB	2
Flashdisk DQLab 64 GB	2
Gantungan Kund DQLab	2
Gift Voucher DQLab 100rb	2
Buku Planner Agenda DQSQuad	3
Buku Planner Agenda DQSQuad	3
Flashdisk DQLab 32 GB	3
Flashdisk DQLab 32 GB	4
Gift Voucher DQLab 250rb	4
...	...

The Output pane shows the execution log:

#	Time	Action	Message	Duration / Fetch
1	00:45:09	use ptc_mart	0 row(s) affected	0.000 sec
2	00:45:18	SELECT nama_produk, qty FROM tr_penjualan ORDER BY qty LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
3	00:46:29	SELECT nama_produk, qty FROM tr_penjualan ORDER BY qty, nama_produk LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec

The bottom status bar shows: 26°C Cerah, Cari, and the date/time: 00:46 30/05/2025.

Latihan Mandiri 1

File Edit View Query Database Server Tools Scripting Help

Navigator: Modul-3.x

SCHEMAS

- db_buku_tamu
- phpmyadmin
- ptic_mart**
- Tables
- Views
- Stored Procedures
- Functions
- test

Administration Schemas

Information Schema: ptic_mart

Result Grid | Filter Rows: Export: Wrap Cell Content:

```

15 -- Praktek 2
16 -- ambil nama produk, qty dari tb penjualan urutkan qty dan nama produk
17 • SELECT nama_produk, qty FROM tr_penjualan ORDER BY qty, nama_produk;
18
19 -- LATIHAN MANDIRI 1
20 -- tampilkan semua kolom dari table tr_penjualan dengan mengurutkan berdasarkan qty dan tgl_transaksi;
21 • SELECT * FROM tr_penjualan ORDER BY qty, tgl_transaksi;

```

Result Grid | Filter Rows: Export: Wrap Cell Content:

kode_urut_transaksi	kode_transaksi	kode_pelanggan	tgl_transaksi	no_urut	kode_produk	nama_produk	qty	harga	diskon_persen
2	tr-001	dgiabuct07	2020-05-01 00:00:00	2	prod-03	Flash disk DQLab 32 GB	1	100000	25
7	tr-002	dgiabuct00	2020-05-01 00:00:00	3	prod-07	Tas Travel Organizer DQLab	1	48000	0
12	tr-005	dgiabuct00	2020-06-12 00:00:00	2	prod-01	Kotak Pensil DQLab	1	62500	5
5	tr-002	dgiabuct00	2020-05-01 00:00:00	1	prod-03	Gift Voucher DQLab 100rb	2	100000	0
8	tr-003	dgiabuct03	2020-05-03 00:00:00	1	prod-02	Flashdisk DQLab 64 GB	2	55000	12,5
13	tr-005	dgiabuct00	2020-06-12 00:00:00	3	prod-04	Flashdisk DQLab 32 GB	2	40000	0
15	tr-009	dgiabuct02	2020-06-19 00:00:00	2	prod-02	Gantungan Kunci DQLab	2	15800	0
3	tr-001	dgiabuct07	2020-05-01 00:00:00	3	prod-09	Buku Planner Agenda DQSQuad	3	92000	0
4	tr-001	dgiabuct07	2020-05-01 00:00:00	4	prod-04	Flashdisk DQLab 32 GB	3	40000	0
11	tr-005	dgiabuct00	2020-06-12 00:00:00	1	prod-09	Buku Planner Agenda DQSQuad	3	92000	0
6	tr-002	dgiabuct00	2020-05-01 00:00:00	2	prod-10	Sticky Notes DQLab 500 sheets	4	55000	0
10	tr-004	dgiabuct03	2020-05-03 00:00:00	2	prod-04	Flashdisk DQLab 32 GB	4	40000	0

tr_penjualan 18 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	00:45:09	use ptic_mart	0 row(s) affected	0.000 sec
2	00:45:18	SELECT nama_produk, qty FROM tr_penjualan ORDER BY qty LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
3	00:46:29	SELECT nama_produk, qty FROM tr_penjualan ORDER BY qty, nama_produk LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
4	00:47:03	SELECT * FROM tr_penjualan ORDER BY qty, tgl_transaksi LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

26°C Cerah

File Edit View Query Database Server Tools Scripting Help

Navigator: Modul-3.x

SCHEMAS

- db_buku_tamu
- phpmyadmin
- ptic_mart**
- Tables
- Views
- Stored Procedures
- Functions
- test

Administration Schemas

Information Schema: ptic_mart

Result Grid | Filter Rows: Export: Wrap Cell Content:

```

17 • SELECT nama_produk, qty FROM tr_penjualan ORDER BY qty, nama_produk;
18
19 -- LATIHAN MANDIRI 1
20 -- tampilkan semua kolom dari table tr_penjualan dengan mengurutkan berdasarkan qty dan tgl_transaksi;
21 • SELECT * FROM tr_penjualan ORDER BY qty, tgl_transaksi;
22 -- tampilkan semua kolom dari table ms_pelanggan dengan mengurutkan berdasarkan qty dan nama_pelanggan.
23 • SELECT * FROM ms_pelanggan ORDER BY nama_pelanggan;

```

Result Grid | Filter Rows: Export: Wrap Cell Content:

kode_pelanggan	no_urut	nama_pelanggan	alamat
dgiabuct07	7	Agus Cahyono	Vila Gunung Seribu, Blok F4 - No. 8
dgiabuct10	10	Djoko Wardoyo, Drs.	Vila Bukit Sigitanay, Bok A1 No. 1
dgiabuct01	1	Eva Novianti, S.H.	Vila Semplar, No. 67 - Kota B
dgiabuct02	2	Heidi Goli	Vila Semplar, No. 67 - Kota B
dgiabuct09	9	Ir. Ita Nugraha	Vila Bukit Sigitanay, Gang Kelapa No. 6
dgiabuct08	4	Juliandri Saputra	Vila Gunung Seribu, Blok F4 - No. 1 - Kota C
dgiabuct04	4	Jokosono Sulaiman	Vila Permati Intan Berkiau, Blok C5-7
dgiabuct08	8	Maria Srait	Vila Bukit Sigitanay, Gang. Sagit No. 3
dgiabuct00	0	Pelanggan Non Member	
dgiabuct05	5	Tommy Snaga	Vila Permati Intan Berkiau, Blok A1/2
dgiabuct03	3	Unang Handoko	Vila Semplar, No. 1 - Kota B

ms_pelanggan 19 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	00:45:09	use ptic_mart	0 row(s) affected	0.000 sec
2	00:45:18	SELECT nama_produk, qty FROM tr_penjualan ORDER BY qty LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
3	00:46:29	SELECT nama_produk, qty FROM tr_penjualan ORDER BY qty, nama_produk LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
4	00:47:03	SELECT * FROM tr_penjualan ORDER BY qty, tgl_transaksi LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
5	00:47:29	SELECT * FROM ms_pelanggan ORDER BY nama_pelanggan LIMIT 0, 1000	11 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

26°C Cerah

File Edit View Query Database Server Tools Scripting Help

Navigator: Schemas

SCHEMAS Filter objects

- db_buku_tamu
- phpmyadmin
- ptic_mart**
 - Tables
 - Views
 - Stored Procedures
 - Functions
- test

Administration Schemas

Information Schema: ptic_mart

Result Grid | Filter Rows | Export | Wrap Cell Contents

Module-3 x

```
-- LATIHAN MANDIRI
19 -- tampilkan semua kolom dari table tr_penjualan dengan mengurutkan berdasarkan qty dan tgl_transaksi.
20 • SELECT * FROM tr_penjualan ORDER BY qty, tgl_transaksi;
21 -- tampilkan semua kolom dari table ms_pelanggan dengan mengurutkan berdasarkan qty dan nama_pelanggan.
22 • SELECT * FROM ms_pelanggan ORDER BY nama_pelanggan;
23 -- tampilkan semua kolom dari table ms_pelanggan dengan mengurutkan berdasarkan qty dan alamat.
24 • SELECT * FROM ms_pelanggan ORDER BY alamat;
```

SQL Additions: Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Result Grid | Filter Rows | Export | Wrap Cell Contents

kode_pelanggan no_urut nama_pelanggan alamat

djabcust00	0	Pelanggan Non Member	
djabcust10	10	Djoko Wardoyo, Drs.	Vila Bukit Sagitarus, Blok A1 No. 1
djabcust09	9	Ir. Ita Nugraha	Vila Bukit Sagitarus, Gang Kelapa No. 6
djabcust08	8	Maria Srait	Vila Bukit Sagitarus, Gang. Setiawati No. 3
djabcust07	7	Agus Cahyono	Vila Gunung Serbu, Blok F4 - No. 8
djabcust06	6	Iwan Setianto	Vila Gunung Serbu, Blok O1 - No. 1 - Kota C
djabcust05	5	Tommy Snaga	Vila Permata Intan Berkilau, Blok A1/2
djabcust04	4	Jokolino Sukarmen	Vila Permata Intan Berkilau, Blok C5-7
djabcust03	3	Unang Handoko	Vila Semplian, No. 1 - Kota B
djabcust02	2	Heidi Goh	Vila Semplian, No. 11 - Kota B
djabcust01	1	Eva Novianti, S.H.	Vila Semplian, No. 67 - Kota B

ms_pelanggan 20 x

Action Output

#	Time	Action	Message	Duration / Fetch
1	0:04:59	use ptic_mart	0 row(s) affected	0.000 sec
2	0:04:58	SELECT nama_produk, qty FROM tr_penjualan ORDER BY qty LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
3	0:04:29	SELECT nama_produk, qty FROM tr_penjualan ORDER BY qty, nama_produk LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
4	0:04:73	SELECT * FROM tr_penjualan ORDER BY qty, tgl_transaksi LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
5	0:04:29	SELECT * FROM ms_pelanggan ORDER BY nama_pelanggan LIMIT 0, 1000	11 row(s) returned	0.000 sec / 0.000 sec
6	0:04:45	SELECT * FROM ms_pelanggan ORDER BY alamat LIMIT 0, 1000	11 row(s) returned	0.000 sec / 0.000 sec

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	0:04:59	use ptic_mart	0 row(s) affected	0.000 sec
2	0:04:58	SELECT nama_produk, qty FROM tr_penjualan ORDER BY qty LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
3	0:04:29	SELECT nama_produk, qty FROM tr_penjualan ORDER BY qty, nama_produk LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
4	0:04:73	SELECT * FROM tr_penjualan ORDER BY qty, tgl_transaksi LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
5	0:04:29	SELECT * FROM ms_pelanggan ORDER BY nama_pelanggan LIMIT 0, 1000	11 row(s) returned	0.000 sec / 0.000 sec
6	0:04:45	SELECT * FROM ms_pelanggan ORDER BY alamat LIMIT 0, 1000	11 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

26°C Cerah

File Edit View Query Database Server Tools Scripting Help

Praktek 3

File Edit View Query Database Server Tools Scripting Help

Navigator: Schemas

SCHEMAS Filter objects

- db_buku_tamu
- phpmyadmin
- ptic_mart**
 - Tables
 - Views
 - Stored Procedures
 - Functions
- test

Administration Schemas

Information Schema: ptic_mart

Result Grid | Filter Rows | Export | Wrap Cell Contents

Module-3 x

```
25 • SELECT * FROM ms_pelanggan ORDER BY alamat;
```

26 -- Praktek 3

27 -- ambil nama produk, qty dari tb penjualan urutan qty besar ke kecil

```
28 • SELECT nama_produk, qty FROM tr_penjualan ORDER BY qty DESC;
```

29 • -- Praktek 4

30

31 -- Praktek 4

Result Grid | Filter Rows | Export | Wrap Cell Contents

nama_produk qty

Kotak Pensil DQLab	5
Sticky Notes DQLab 500 sheets	5
Sticky Notes DQLab 500 sheets	4
Flashdisk DQLab 32 GB	4
Gift Voucher DQLab 250rb	4
Buku Planner Agenda DQSquad	3
Flashdisk DQLab 32 GB	3
Buku Planner Agenda DQSquad	3
Gift Voucher DQLab 100rb	2
Flashdisk DQLab 64 GB	2
Flashdisk DQLab 32 GB	2
Gantungan Kunci DQLab	2

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	0:04:59	use ptic_mart	0 row(s) affected	0.000 sec
2	0:04:58	SELECT nama_produk, qty FROM tr_penjualan ORDER BY qty LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
3	0:04:29	SELECT nama_produk, qty FROM tr_penjualan ORDER BY qty, nama_produk LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
4	0:04:73	SELECT * FROM tr_penjualan ORDER BY qty, tgl_transaksi LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
5	0:04:29	SELECT * FROM ms_pelanggan ORDER BY nama_pelanggan LIMIT 0, 1000	11 row(s) returned	0.000 sec / 0.000 sec
6	0:04:45	SELECT * FROM ms_pelanggan ORDER BY alamat LIMIT 0, 1000	11 row(s) returned	0.000 sec / 0.000 sec
7	0:04:10	SELECT nama_produk, qty FROM tr_penjualan ORDER BY qty DESC LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

26°C Cerah

File Edit View Query Database Server Tools Scripting Help

Praktek 4

File Edit View Query Database Server Tools Scripting Help

Navigator: Filter objects SCHEMAS db_buku_tamu phpmyadmin ptic_mart Tables Views Stored Procedures Functions test Administration Schemas

Modul-3* x Limit to 1000 rows SQLAdditions < > Jump to Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

```

28 -- ambil nama produk, qty dari tb penjualan urutan qty besar ke kecil
29 • SELECT nama_produk, qty FROM tr_penjualan ORDER BY qty DESC;
30
31 -- Praktek 4
32 -- ambil nama produk, qty dari tb penjualan urut qty DESC, nama produk asc
33 • SELECT nama_produk, qty FROM tr_penjualan ORDER BY qty DESC, nama_produk ASC;
34 • SELECT nama_produk, qty FROM tr_penjualan ORDER BY qty DESC, nama_produk DESC;

```

Result Grid | Filter Rows! Export: Wrap Cell Contents: Result Grid Form Editor Field Types

Schema: ptic_mart

nama_produk	qty
Kotak Penel DQLab	5
Sticky Notes DQLab 500 sheets	5
Flashdisk DQLab 32 GB	4
Gift Voucher DQLab 250rb	4
Sticky Notes DQLab 500 sheets	4
Buku Planner Agenda DQSquad	3
Buku Planner Agenda DQSquad	3
Flashdisk DQLab 32 GB	3
Flashdisk DQLab 32 GB	2
Flashdisk DQLab 64 GB	2
Gantungan Kund DQLab	2
Gift Voucher DQLab 100rb	2

Output

Action Output

#	Time	Action	Message	Duration / Fetch
5	00:47:29	SELECT * FROM ms_pelanggan ORDER BY alamat LIMIT 0, 1000	11 row(s) returned	0.000 sec / 0.000 sec
6	00:47:45	SELECT * FROM ms_pelanggan ORDER BY alamat LIMIT 0, 1000	11 row(s) returned	0.000 sec / 0.000 sec
7	00:48:10	SELECT nama_produk, qty FROM tr_penjualan ORDER BY qty DESC LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
8	00:48:41	SELECT nama_produk, qty FROM tr_penjualan ORDER BY qty DESC, nama_produk ASC LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
9	00:49:06	SELECT nama_produk, qty FROM tr_penjualan ORDER BY qty DESC, nama_produk DESC LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
10	00:49:21	SELECT nama_produk, qty FROM tr_penjualan ORDER BY qty DESC, nama_produk ASC LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec

Object Info Session 26°C Cerah 00:49 30/05/2025

File Edit View Query Database Server Tools Scripting Help

Navigator: Filter objects SCHEMAS db_buku_tamu phpmyadmin ptic_mart Tables Views Stored Procedures Functions test Administration Schemas

Modul-3* x Limit to 1000 rows SQLAdditions < > Jump to Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

```

28 -- ambil nama produk, qty dari tb penjualan urutan qty besar ke kecil
29 • SELECT nama_produk, qty FROM tr_penjualan ORDER BY qty DESC;
30
31 -- Praktek 4
32 -- ambil nama produk, qty dari tb penjualan urut qty DESC, nama produk asc
33 • SELECT nama_produk, qty FROM tr_penjualan ORDER BY qty DESC, nama_produk ASC;
34 • SELECT nama_produk, qty FROM tr_penjualan ORDER BY qty DESC, nama_produk DESC;

```

Result Grid | Filter Rows! Export: Wrap Cell Contents: Result Grid Form Editor Field Types

Schema: ptic_mart

nama_produk	qty
Sticky Notes DQLab 500 sheets	5
Kotak Penel DQLab	5
Sticky Notes DQLab 500 sheets	4
Gift Voucher DQLab 250rb	4
Flashdisk DQLab 32 GB	4
Flashdisk DQLab 32 GB	3
Buku Planner Agenda DQSquad	3
Buku Planner Agenda DQSquad	3
Gift Voucher DQLab 100rb	2
Gantungan Kund DQLab	2
Flashdisk DQLab 64 GB	2
Flashdisk DQLab 32 GB	2

Output

Action Output

#	Time	Action	Message	Duration / Fetch
6	00:47:45	SELECT * FROM ms_pelanggan ORDER BY alamat LIMIT 0, 1000	11 row(s) returned	0.000 sec / 0.000 sec
7	00:48:10	SELECT nama_produk, qty FROM tr_penjualan ORDER BY qty DESC LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
8	00:48:41	SELECT nama_produk, qty FROM tr_penjualan ORDER BY qty DESC, nama_produk ASC LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
9	00:49:06	SELECT nama_produk, qty FROM tr_penjualan ORDER BY qty DESC, nama_produk DESC LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
10	00:49:21	SELECT nama_produk, qty FROM tr_penjualan ORDER BY qty DESC, nama_produk ASC LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
11	00:49:34	SELECT nama_produk, qty FROM tr_penjualan ORDER BY qty DESC, nama_produk DESC LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec

Object Info Session 26°C Cerah 00:49 30/05/2025

Latihan Mandiri 2

File Edit View Query Database Server Tools Scripting Help

Navigasi: SCHEMAS Filter objects db_buku_tamu phpmyadmin ptc_mart Tables Views Stored Procedures Functions test Administration Schemas

Modul-3* x

```

32 -- ambil nama produk, qty dari tb penjualan urut qny DESC, nama_produk ASC
33 • SELECT nama_produk, qty FROM tr_penjualan ORDER BY qny DESC, nama_produk ASC;
34 • SELECT nama_produk, qty FROM tr_penjualan ORDER BY qny DESC, nama_produk DESC;
35
36 -- LATIHAN MANDIRI 2
37 -- ambil nama produk, qty dari tb penjualan urutan qny kecil ke besar
38 • SELECT * FROM tr_penjualan ORDER BY tgl_transaksi DESC, qny ASC;

```

Result Grid | Filter Rows | Export | Wrap Cell Content

Schema: ptc_mart

kode_urut	kode_transaksi	kode_pelanggan	tgl_transaksi	no_urut	kode_produk	nama_produk	qty	harga	diskon_persen
15	tr-006	djabout02	2020-06-19 00:00:00	2	prod-08	Gantungan Kunci DQLab	2	15800	0
14	tr-006	djabout02	2020-06-19 00:00:00	1	prod-05	Gift Voucher DQLab 250rb	4	250000	0
12	tr-006	djabout00	2020-06-12 00:00:00	2	prod-01	Kotak Pensil DQLab	1	62300	5
13	tr-006	djabout00	2020-06-12 00:00:00	3	prod-04	Flehsdisk DQLab 32 GB	2	40000	0
11	tr-005	djabout00	2020-06-12 00:00:00	1	prod-09	Buku Planner Agenda DQ5Quad	3	92000	0
8	tr-003	djabout03	2020-05-03 00:00:00	1	prod-03	Flehsdisk DQLab 64 GB	2	55000	12.5
10	tr-004	djabout03	2020-05-03 00:00:00	2	prod-04	Flehsdisk DQLab 32 GB	4	40000	0
9	tr-004	djabout03	2020-05-03 00:00:00	1	prod-10	Sticky Notes DQLab 500 sheets	5	55000	0
2	tr-001	djabout07	2020-05-01 00:00:00	2	prod-03	Flash disk DQLab 32 GB	1	100000	25
7	tr-002	djabout00	2020-05-01 00:00:00	3	prod-07	Tas Travel Organizer DQLab	1	48000	0
5	tr-002	djabout00	2020-05-01 00:00:00	1	prod-03	Gift Voucher DQLab 100rb	2	100000	0
3	tr-001	djabout07	2020-05-01 00:00:00	3	prod-09	Buku Planner Agenda DQ5Quad	3	92000	0

tr_penjualan 26 x

Output

#	Time	Action	Message	Duration / Fetch
7	00:48:10	SELECT nama_produk, qty FROM tr_penjualan ORDER BY qny DESC LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
8	00:48:41	SELECT nama_produk, qty FROM tr_penjualan ORDER BY qny DESC, nama_produk ASC LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
9	00:49:06	SELECT nama_produk, qty FROM tr_penjualan ORDER BY qny DESC, nama_produk DESC LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
10	00:49:21	SELECT nama_produk, qty FROM tr_penjualan ORDER BY qny DESC, nama_produk ASC LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
11	00:49:34	SELECT nama_produk, qty FROM tr_penjualan ORDER BY qny DESC, nama_produk DESC LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
12	00:50:02	SELECT * FROM tr_penjualan ORDER BY tgl_transaksi DESC, qny ASC LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Result Grid | Form Editor | Field Types

SQLAdditions: Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Read Only Context Help Snippets

26°C Cerah

0.50 30/05/2025

File Edit View Query Database Server Tools Scripting Help

Navigasi: SCHEMAS Filter objects db_buku_tamu phpmyadmin ptc_mart Tables Views Stored Procedures Functions test Administration Schemas

Modul-3* x

```

34 • SELECT nama_produk, qty FROM tr_penjualan ORDER BY qny DESC, nama_produk DESC;
35
36 -- LATIHAN MANDIRI 2
37 -- ambil nama produk, qty dari tb penjualan urutan qny kecil ke besar
38 • SELECT * FROM tr_penjualan ORDER BY tgl_transaksi DESC, qny ASC;
39 -- ambil nama produk, qty dari tabel ms_pelanggan urutan qny secara menaik dan nama_pelanggan secara menurun.
40 • SELECT * FROM ms_pelanggan ORDER BY nama_pelanggan DESC;

```

Result Grid | Filter Rows | Export | Wrap Cell Content

Schema: ptc_mart

kode_pelanggan	no_urut	nama_pelanggan	alamat
djabust03	3	Unang Hendoko	Vila Semplian, No. 1-Kota B
djabust05	5	Tommy Sinaga	Vila Permai Intan Berkibau, Blok A1/2
djabust00	0	Pelanggan Non Member	
djabust08	8	Maria Sirait	Vila Bikit Sagitarus, Geng, Sawit No. 3
djabust04	4	Jokolono Sukarman	Vila Permai Intan Berkibau, Blok C5-7
djabust06	6	Irwan Setianto	Vila Gunung Serbu, Blok C1-No. 1-Kota C
djabust09	9	Ir. Its Nugraha	Vila Bikit Sagitarus, Gang Kelapa No. 6
djabust02	2	Heidi Goli	Vila Semplian, No. 11-Kota B
djabust11	1	Eva Novianti, S.H.	Vila Semplian, No. 67-Kota B
djabust10	10	Djoko Wardoyo, Drs.	Vila Bikit Sagitarus, Blok A1 No. 1
djabust07	7	Agus Cahyono	Vila Gunung Serbu, Blok F4-No. 8

ms_pelanggan 27 x

Output

#	Time	Action	Message	Duration / Fetch
8	00:48:41	SELECT nama_produk, qty FROM tr_penjualan ORDER BY qny DESC, nama_produk ASC LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
9	00:49:06	SELECT nama_produk, qty FROM tr_penjualan ORDER BY qny DESC, nama_produk DESC LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
10	00:49:21	SELECT nama_produk, qty FROM tr_penjualan ORDER BY qny DESC, nama_produk ASC LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
11	00:49:34	SELECT nama_produk, qty FROM tr_penjualan ORDER BY qny DESC, nama_produk DESC LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
12	00:50:02	SELECT * FROM tr_penjualan ORDER BY tgl_transaksi DESC, qny ASC LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
13	00:50:17	SELECT * FROM ms_pelanggan ORDER BY nama_pelanggan DESC LIMIT 0, 1000	11 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Result Grid | Form Editor | Field Types

SQLAdditions: Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Read Only Context Help Snippets

26°C Cerah

0.50 30/05/2025

File Edit View Query Database Server Tools Scripting Help

Navigator: Modul-3* X

SCHEMAS Filter objects

- db_buku_tamu
- phpmyadmin
- ptic_mart**
 - Tables
 - Views
 - Stored Procedures
 - Functions
- test

Administration Schemas

Information Schema: ptic_mart

Result Grid | Filter Rows: Export: Wrap Cell Content: Result Grid Form Editor Field Types

```

36 -- LATIHAN MANDIRI 2
37 -- ambil nama produk, qty dari tb penjualan urutan qty kecil ke besar
38 • SELECT * FROM tr_penjualan ORDER BY tgl_transaksi DESC, qty ASC
39 -- ambil nama produk, qty dari tabel ms_pelanggan urutan qty secara menurun
40 • SELECT * FROM ms_pelanggan ORDER BY nama_pelanggan DESC
41 -- ambil nama produk, qty dari tabel ms_pelanggan urutan qty secara menaik dan alamat secara menurun.
42 • SELECT * FROM ms_pelanggan ORDER BY alamat DESC;

```

ms_pelanggan 28 x

Output:

kode_pelanggan	no_urut	nama_pelanggan	alamat
digabust01	1	Eva Novianti, S.H.	Vila Sempalan, No. 67 - Kota B
digabust02	2	Heidi Goh	Vila Sempalan, No. 11 - Kota B
digabust03	3	Unang Handoko	Vila Sempalan, No. 1 - Kota B
digabust04	4	Joko Leno Sukarmen	Vila Permai Intan Berlaku, Blok CS-7
digabust05	5	Tommy Snaga	Vila Permai Intan Berlaku, Blok A1/2
digabust06	6	Irvan Setianto	Vila Gunung Serbu, Blok O1 - No. 1 - Kota C
digabust07	7	Agus Cahyono	Vila Gunung Serbu, Blok F4 - No. 8
digabust08	8	Maria Sirait	Vila Bulkit Sagitarus, Gong. Sawit No. 3
digabust09	9	Ir. Its Nugraha	Vila Bulkit Sagitarus, Gong Kelapa No. 6
digabust10	10	Djoko Wardoyo, Drs.	Vila Bulkit Sagitarus, Blok A1 No. 1
digabust00	0	Pelanggan Non Mem...	

Result 28 x

Action Output:

#	Time	Action	Message	Duration / Fetch
9	00:49:06	SELECT nama_produk, qty FROM tr_penjualan ORDER BY qty DESC, nama_produk DESC LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
10	00:49:21	SELECT nama_produk, qty FROM tr_penjualan ORDER BY qty DESC, nama_produk ASC LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
11	00:49:34	SELECT nama_produk, qty FROM tr_penjualan ORDER BY qty DESC, nama_produk DESC LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
12	00:50:02	SELECT * FROM tr_penjualan ORDER BY tgl_transaksi DESC, qty ASC LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
13	00:50:17	SELECT * FROM ms_pelanggan ORDER BY nama_pelanggan DESC LIMIT 0, 1000	11 row(s) returned	0.000 sec / 0.000 sec
14	00:50:35	SELECT * FROM ms_pelanggan ORDER BY alamat DESC LIMIT 0, 1000	11 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

26°C Cerah

File Edit View Query Database Server Tools Scripting Help

Navigator: Modul-3* X

SCHEMAS Filter objects

- db_buku_tamu
- phpmyadmin
- ptic_mart**
 - Tables
 - Views
 - Stored Procedures
 - Functions
- test

Administration Schemas

Information Schema: ptic_mart

Result Grid | Filter Rows: Export: Wrap Cell Content: Result Grid Form Editor Field Types

```

43
44 -- Praktek 5
45 -- menggunakan ORDER BY dari hasil perhitungan kolom
46 -- ambil nama produk, qty, harga dan perkalian qty*harga, urut qty*harga
47 • SELECT nama_produk, qty, harga, qty*harga AS total
48 FROM tr_penjualan
49 ORDER BY total DESC;

```

Result 29 x

Output:

nama_produk	qty	harga	total
Gift Voucher DQLab 250rb	4	250000	1000000
Kotak Pensil DQLab	5	62500	312500
Buku Planner Agenda PQSQuad	3	92000	276000
Buku Planner Agenda PQSQuad	3	92000	276000
Sticky Notes DQLab 500 sheets	5	55000	275000
Sticky Notes DQLab 500 sheets	4	55000	220000
Gift Voucher DQLab 100rb	2	100000	200000
Flashdisk DQLab 32 GB	4	40000	160000
Flashdisk DQLab 32 GB	3	40000	120000
Flashdisk DQLab 64 GB	2	55000	110000
Flash disk DQLab 32 GB	1	100000	100000
Flashdisk DQLab 32 GB	2	40000	80000

Result 29 x

Action Output:

#	Time	Action	Message	Duration / Fetch
10	00:49:21	SELECT nama_produk, qty FROM tr_penjualan ORDER BY qty DESC, nama_produk ASC LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
11	00:49:34	SELECT nama_produk, qty FROM tr_penjualan ORDER BY qty DESC, nama_produk DESC LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
12	00:50:02	SELECT * FROM tr_penjualan ORDER BY tgl_transaksi DESC, qty ASC LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
13	00:50:17	SELECT * FROM ms_pelanggan ORDER BY nama_pelanggan DESC LIMIT 0, 1000	11 row(s) returned	0.000 sec / 0.000 sec
14	00:50:35	SELECT * FROM ms_pelanggan ORDER BY alamat DESC LIMIT 0, 1000	11 row(s) returned	0.000 sec / 0.000 sec
15	00:50:51	SELECT nama_produk, qty, harga, qty*harga AS total FROM tr_penjualan ORDER BY total DESC LIMIT 0, 10...	15 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

26°C Cerah

File Edit View Query Database Server Tools Scripting Help

Navigator: Modul-3* X

SCHEMAS Filter objects

- db_buku_tamu
- phpmyadmin
- ptic_mart**
 - Tables
 - Views
 - Stored Procedures
 - Functions
- test

Administration Schemas

Information Schema: ptic_mart

Result Grid | Filter Rows: Export: Wrap Cell Content: Result Grid Form Editor Field Types

```

43
44 -- Praktek 5
45 -- menggunakan ORDER BY dari hasil perhitungan kolom
46 -- ambil nama produk, qty, harga dan perkalian qty*harga, urut qty*harga
47 • SELECT nama_produk, qty, harga, qty*harga AS total
48 FROM tr_penjualan
49 ORDER BY total DESC;

```

Result 29 x

Output:

nama_produk	qty	harga	total
Gift Voucher DQLab 250rb	4	250000	1000000
Kotak Pensil DQLab	5	62500	312500
Buku Planner Agenda PQSQuad	3	92000	276000
Buku Planner Agenda PQSQuad	3	92000	276000
Sticky Notes DQLab 500 sheets	5	55000	275000
Sticky Notes DQLab 500 sheets	4	55000	220000
Gift Voucher DQLab 100rb	2	100000	200000
Flashdisk DQLab 32 GB	4	40000	160000
Flashdisk DQLab 32 GB	3	40000	120000
Flashdisk DQLab 64 GB	2	55000	110000
Flash disk DQLab 32 GB	1	100000	100000
Flashdisk DQLab 32 GB	2	40000	80000

Result 29 x

Action Output:

#	Time	Action	Message	Duration / Fetch
10	00:49:21	SELECT nama_produk, qty FROM tr_penjualan ORDER BY qty DESC, nama_produk ASC LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
11	00:49:34	SELECT nama_produk, qty FROM tr_penjualan ORDER BY qty DESC, nama_produk DESC LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
12	00:50:02	SELECT * FROM tr_penjualan ORDER BY tgl_transaksi DESC, qty ASC LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
13	00:50:17	SELECT * FROM ms_pelanggan ORDER BY nama_pelanggan DESC LIMIT 0, 1000	11 row(s) returned	0.000 sec / 0.000 sec
14	00:50:35	SELECT * FROM ms_pelanggan ORDER BY alamat DESC LIMIT 0, 1000	11 row(s) returned	0.000 sec / 0.000 sec
15	00:50:51	SELECT nama_produk, qty, harga, qty*harga AS total FROM tr_penjualan ORDER BY total DESC LIMIT 0, 10...	15 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

26°C Cerah

Latihan Mandiri 3

The screenshot shows the MySQL Workbench interface. In the top-left, the Navigator pane lists Schemas: db_buku_tamu, phpmyadmin, ptic_mart (selected), and test. The top-right shows the SQLAdditions toolbar with help information: "Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help." The main area contains a query editor with the following SQL code:

```
-- LATIHAN MANDIRI 3
-- tampilkan semua data dari tabel tr_penjualan_dqlab dan hitung: Total harga (qty x harga), Diskon sebesar 10% dari total harga Total harga setelah diskon
SELECT *, (qty * harga) AS harga_total,
((qty * harga) * 10 / 100) AS diskon,
((qty * harga) - ((qty * harga) * 10 / 100)) AS harga_setelah_diskon
FROM tr_penjualan
ORDER BY harga_setelah_diskon DESC;
```

The Result Grid shows the following data:

kode_urut_transaksi	kode_transaksi	kode_pelanggan	tgl_transaksi	no_urut	kode_produk	nama_produk	qty	harga	diskon_persen	harga_setelah_diskon
14	tr-005	dqlabout02	2020-05-10 00:00:00	1	prod-05	Gift Voucher DQLab 25rb	4	250000	0	100000
1	tr-001	dqlabout07	2020-05-10 00:00:00	1	prod-91	Kotak Pensil DQLab	5	62500	0	31250
3	tr-001	dqlabout07	2020-05-10 00:00:00	3	prod-09	Buku Planner Agenda DQFQued	3	92000	0	27600
11	tr-005	dqlabout09	2020-06-12 00:00:00	1	prod-09	Buku Planner Agenda DQFQued	3	92000	0	27600
9	tr-004	dqlabout03	2020-05-03 00:00:00	1	prod-10	Sticky Notes DQLab 500 sheets	5	55000	0	27500
6	tr-002	dqlabout00	2020-05-01 00:00:00	2	prod-10	Sticky Notes DQLab 500 sheets	4	55000	0	22000
5	tr-002	dqlabout00	2020-05-01 00:00:00	1	prod-03	Gift Voucher DQLab 100rb	2	100000	0	20000
10	tr-004	dqlabout03	2020-05-03 00:00:00	2	prod-04	Flashdisk DQLab 32 GB	4	40000	0	16000
4	tr-001	dqlabout07	2020-05-10 00:00:00	4	prod-04	Flashdisk DQLab 64 GB	3	40000	0	12000
8	tr-003	dqlabout03	2020-05-03 00:00:00	1	prod-02	Flashdisk DQLab 64 GB	2	55000	12,5	11000
2	tr-001	dqlabout07	2020-05-01 00:00:00	2	prod-03	Flash disk DQLab 32 GB	1	100000	25	10000

The Action Output section shows the execution history:

#	Time	Action	Message	Duration / Fetch
11	00:49:34	SELECT nama_produk, qty FROM tr_penjualan ORDER BY qty DESC, nama_produk DESC LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
12	00:50:02	SELECT * FROM tr_penjualan ORDER BY tgl_transaksi DESC, qty ASC LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
13	00:50:17	SELECT * FROM ms_pelanggan ORDER BY nama_pelanggan DESC LIMIT 0, 1000	11 row(s) returned	0.000 sec / 0.000 sec
14	00:50:35	SELECT * FROM ms_pelanggan ORDER BY alamat DESC LIMIT 0, 1000	11 row(s) returned	0.000 sec / 0.000 sec
15	00:50:51	SELECT nama_produk, qty, harga, qty*harga AS total FROM tr_penjualan ORDER BY total DESC LIMIT 0, 10...	15 row(s) returned	0.000 sec / 0.000 sec
16	00:51:13	SELECT *,(qty * harga) AS harga_total, ((qty * harga) * 10 / 100) AS diskon, (qty * harga) - ((qty * harga) * 10 / 100) AS harga_setelah_diskon	15 row(s) returned	0.000 sec / 0.000 sec

-- Nama: ANGGA SAPUTRA

-- Nim : 23241084

-- Kelas: C

-- Modul : Modul-3 A database

-- menggunakan database

```
use ptic_mart;
```

-- ORDER BY

-- menggunakan data dari sebuah field/kolo, atau hasil oleh kolom

-- Praktek 1

-- ambil nama produk dan qty dari tabel penjualan urutkan qty

```
SELECT nama_produk, qty FROM tr_penjualan ORDER BY qty;
```

-- Praktek 2

-- ambil nama produk, qty dari tb penjualan urutkan qty dan nama produk

```
SELECT nama_produk, qty FROM tr_penjualan ORDER BY qty, nama_produk;
```

-- LATIHAN MANDIRI 1

-- tampilkan semua kolom dari table tr_penjualan dengan mengurutkan berdasarkan qty dan tgl_transaksi.

```
SELECT * FROM tr_penjualan ORDER BY qty, tgl_transaksi;
```

-- tampilkan semua kolom dari table ms_pelanggan dengan mengurutkan berdasarkan qty dan nama_pelanggan.

```
SELECT * FROM ms_pelanggan ORDER BY nama_pelanggan;
```

-- tampilkan semua kolom dari table ms_pelanggan dengan mengurutkan berdasarkan qty dan alamat.

```
SELECT * FROM ms_pelanggan ORDER BY alamat;
```

-- Praktek 3

-- ambil nama produk, qty dari tb penjualan urutan qty besar ke kecil

```
SELECT nama_produk, qty FROM tr_penjualan ORDER BY qty DESC;
```

-- Praktek 4

-- ambil nama produk, qty dari tb penjualan urutkan qty DESC, nama produk asc

```
SELECT nama_produk, qty FROM tr_penjualan ORDER BY qty DESC, nama_produk ASC;
```

```
SELECT nama_produk, qty FROM tr_penjualan ORDER BY qty DESC, nama_produk DESC;
```

-- LATIHAN MANDIRI 2

-- ambil nama produk, qty dari tb penjualan urutan qty kecil ke besar

```
SELECT * FROM tr_penjualan ORDER BY tgl_transaksi DESC, qty ASC;
```

-- ambil nama produk, qty dari tabel ms_pelanggan urutan qty secara menaik dan nama_pelanggan secara menurun.

```
SELECT * FROM ms_pelanggan ORDER BY nama_pelanggan DESC;
```

-- ambil nama produk, qty dari tabel ms_pelanggan urutan qty secara menaik dan alamat secara menurun.

```
SELECT * FROM ms_pelanggan ORDER BY alamat DESC;
```

-- Praktek 5

-- menggunakan ORDER BY dari hasil perhitungan kolom

-- ambil nama produk, qty, harga dan perkalian qty*harga, urut qty*harga

```
SELECT nama_produk, qty, harga, qty*harga AS total
```

```
FROM tr_penjualan
```

```
ORDER BY total DESC;
```

-- LATIHAN MANDIRI 3

-- tampilkan semua data dari tabel tr_penjualan_dqlab dan hitung: Total harga (qty × harga), Diskon sebesar 10% dari total harga Total harga setelah diskon Urutkan hasil berdasarkan harga setelah diskon dari yang terbesar ke terkecil.

```
SELECT *, (qty * harga) AS harga_total,
```

```
((qty * harga) * 10 / 100) AS diskon,
```

```
(qty * harga) - ((qty * harga) * 10 / 100) AS harga_setelah_diskon
```

```
FROM tr_penjualan
```

```
ORDER BY harga_setelah_diskon DESC;
```