Nama : Yohanes Dimas Pratama

NIM : A11.2021.13254

Kelompok : A11.43UG2

Tugas Pertemuan 6

- DML dengan Operator -

mysql -u root

```
Setting environment for using XAMPP for Windows.

LENOVO@DIMAS c:\xampp

# mysql -u root

Welcome to the MariaDB monitor. Commands end with ; or \g.

Your MariaDB connection id is 8

Server version: 10.4.24-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.

use db_usaha2;
```

MariaDB [(none)]> use db_usaha2; Database changed

A. Menampilkan data staf dengan range gaji dari 4.000.000 - 7.000.000. select * from staf where gaji between 4000000 and 7000000;

nip nama	jenis_kelamin	posisi	tgl_masuk	gaji	id_cabang
A002 Parwoto A003 Bagus A004 Leli S001 Siti S002 Fatimah S003 Haryati	L P P P P	Asisten Asisten Asisten Supervisor Supervisor Supervisor	2017-02-01 2015-01-01 2016-06-01 2007-10-10 2008-09-02 2009-11-11	4000000 4250000 4000000 6500000 6000000 6400000	B002

B. Menampilkan data staf diluar range gaji 4.000.000 - 7.000.000. select * from staf where gaji not between 4000000 and 7000000;

nip	jenis_kelamin	posisi	tgl_masuk	gaji	id_cabang
A001 Dani M001 Mita M002 Robi M003 Nanda	P L	Manager Manager	2016-01-10 1998-10-01 2000-05-05 2002-04-10	9000000 8200000	B001 B001 B002 B003
4 rows in set (0.001 sec)				

C. Menampilkan data staf dengan range tunjangan dari 500.000 – 2.000.000.

select nip, nama, jenis_kelamin, posisi, tgl_masuk, gaji, gaji*0.1 as tunjangan from staf where gaji*0.1 between 500000 and 2000000;

nip	nama	jenis_kelamin	posisi	tgl_masuk	gaji	tunjangan
+ M001 M002 M003 S001 S002 S003	Mita Robi Nanda Siti Fatimah Haryati	P L L P P	Manager Manager Manager Supervisor Supervisor Supervisor	+	9000000 8200000 8500000 6500000 6000000 6400000	900000.0 820000.0 850000.0 650000.0 600000.0 640000.0
6 rows :	in set (0.0	901 sec)	+	+	+	++

D. Menampilkan masa kerja staf dengan range masa kerja dari 5 - 20 tahun.

select nip, nama, jenis_kelamin, posisi, tgl_masuk, gaji, timestampdiff(year,tgl_masuk,now()) as masa_kerja from staf where timestampdiff(year,tgl_masuk,now()) between 5 and 20;

nip	nama	jenis_kelamin	posisi	tgl_masuk	gaji	 masa_kerja
A001	Dani	L	Asisten	2016-01-10	3800000	6
A002	Parwoto	L	Asisten	2017-02-01	4000000	5
A003	Bagus	L	Asisten	2015-01-01	4250000	7
A004	Leli	Р	Asisten	2016-06-01	4000000	6
M003	Nanda	L	Manager	2002-04-10	8500000	20
S001	Siti	Р	Supervisor	2007-10-10	6500000	15
S002	Fatimah	Р	Supervisor	2008-09-02	6000000	14
S003	Haryati	Р	Supervisor	2009-11-11	6400000	12
+			<u> </u>		·	·+
8 rows i	n set (0.0	010 sec)				

E. Menampilkan nama staf dengan huruf belakang 'i'.

select * from staf where nama like '%i';

nip	nama	jenis_kelamin	posisi	tgl_masuk	gaji	id_cabang
A001 A004 M002 S001 S003	Dani Leli Robi Siti Haryati	L P L P P	Asisten Asisten Manager Supervisor Supervisor	2016-01-10 2016-06-01 2000-05-05 2007-10-10 2009-11-11	3800000 4000000 8200000 6500000 6400000	B001 B002 B002 B001 B003
5 rows :	in set (0.0	001 sec)				

F. Menampilkan nama staf selain huruf belakang 'i'.

select * from staf where nama not like '%i';

nip	nama	jenis_kelamin	posisi	tgl_masuk	gaji	 id_cabang
A002 A003 M001 M003 S002	Parwoto Bagus Mita Nanda Fatimah	L L P L P	Asisten Asisten Manager Manager Supervisor	2017-02-01 2015-01-01 1998-10-01 2002-04-10 2008-09-02	4000000 4250000 9000000 8500000	B002 B003 B001 B003 B002
+ 5 rows i	in set (0.6	 019 sec)		+		++

G. Menampilkan nip staf yang terdiri dari 4 karakter dan diawali dengan huruf 's'. select * from staf where nip like 's___';

MariaDB	MariaDB [db_usaha2]> select * from staf where nip like 's';							
nip	nama	jenis_kelamin	posisi	tgl_masuk	gaji	id_cabang		
S002	Siti Fatimah Haryati		Supervisor	2007-10-10 2008-09-02 2009-11-11	6000000	B001 B002 B003		
3 rows	+++							

H. Menampilkan posisi staf yang terdapat kata 'is'.

select * from staf where posisi like '%is%';

nip	nama	jenis_kelamin	posisi	tgl_masuk	gaji	id_cabang
A001 A002 A003 A004 S001 S002	Dani Parwoto Bagus Leli Siti Fatimah Haryati	L L L P P P	Asisten Asisten Asisten Asisten Supervisor Supervisor Supervisor	2016-01-10 2017-02-01 2015-01-01 2016-06-01 2007-10-10 2008-09-02 2009-11-11	3800000 4000000 4250000 4000000 6500000 6000000	B001
+ 7 rows :	in set (0.6	 001 sec)			+	+

I. Melakukan uji keanggotaan dengan posisi staf Manajer atau Supervisor.

select * from staf where posisi in('Manager', 'Supervisor');

nip	nama	jenis_kelamin	posisi	tgl_masuk	gaji	id_cabang
+ M001 M002 M003 S001	Mita Robi Nanda Siti	P L L P	Manager Manager Manager Supervisor	1998-10-01 2000-05-05 2002-04-10 2007-10-10	9000000 8200000 8500000 6500000	B001 B002 B003 B001
S002 S003 + 6 rows :	Fatimah Haryati +in set (0.0	P P 001 sec)	Supervisor Supervisor	2008-09-02 2009-11-11 	6000000 6400000	B002 B003 +

J. Melakukan uji keanggotaan dengan posisi selain staf Manajer atau Supervisor.

select * from staf where posisi not in('Manager','Supervisor');

nip nama j	jenis_kelamin	posisi	tgl_masuk	gaji	id_cabang
A001 Dani	L L L	Asisten Asisten Asisten Asisten	2016-01-10 2017-02-01 2015-01-01 2016-06-01	3800000 4000000 4250000 4000000	B001 B002 B003 B002

K. Menampilkan semua data staf berdasarkan urutan ascending dari id_cabang.

select * from staf order by id_cabang;

+ nip	nama	jenis_kelamin	posisi	tgl_masuk	gaji	id_cabang
A001	Dani	L	Asisten	2016-01-10	3800000	B001
S001 M001	Siti Mita	P P	Supervisor Manager	2007-10-10 1998-10-01	6500000 9000000	B001 B001
S002 M002	Fatimah Robi	P	Supervisor	2008-09-02	6000000	B002
A004	Leli	P	Manager Asisten	2000-05-05 2016-06-01	8200000 4000000	B002 B002
A002	Parwoto	L I	Asisten	2017-02-01	4000000	B002
M003 A003	Nanda Bagus	L	Manager Asisten	2002-04-10 2015-01-01	8500000 4250000	B003 B003
S003	Haryati	Р	Supervisor	2009-11-11	6400000	B003
10 rows	in set (0	.001 sec)				+

L. Menampilkan semua data staf berdasarkan urutan tanggal masuk secara descending. select * from staf order by tgl_masuk desc;

nip	nama	jenis_kelamin	posisi	tgl_masuk	gaji	id_cabang
+ A002 A004 A001 A003 S003 S002 S001 M003 M002	Parwoto Leli Dani Bagus Haryati Fatimah Siti Nanda Robi	L P L P P P	Asisten Asisten Asisten Asisten Supervisor Supervisor Supervisor Manager Manager	2017-02-01 2016-06-01 2016-01-10 2015-01-01 2009-11-11 2008-09-02 2007-10-10 2002-04-10 2000-05-05	4000000 4000000 3800000 4250000 6400000 6500000 8500000	B002 B002 B001 B003 B002 B001 B003 B003 B003 B003 B002 B0002 B0002
M001	Mita	Р	Manager	1998-10-01	9000000	B001
+ 10 rows	in set (0.	.001 sec)	<u> </u>	 	H	·+

M. Menampilkan semua data staf berdasarkan urutan dari id_cabang dan gaji. select * from staf order by id_cabang,gaji;

nip	nama	jenis_kelamin	posisi	tgl_masuk	gaji	id_cabang
A001 S001 M001 A002 A004 S002 M002 A003 S003 M003	Dani Siti Mita Parwoto Leli Fatimah Robi Bagus Haryati	L P P L P L L	Asisten Supervisor Manager Asisten Asisten Supervisor Manager Asisten Supervisor	2016-01-10 2007-10-10 1998-10-01 2017-02-01 2016-06-01 2008-09-02 2000-05-05 2015-01-01 2009-11-11 2002-04-10	3800000 6500000 9000000 4000000 4000000 6000000 8200000 4250000 6400000	B001 B001 B001 B002 B002 B002 B003 B0003 B0003

N. Menampilkan masa kerja staf, kemudian menampilkan nip, nama, tgl_masuk dan masa kerja berdasarkan urutan ascending masa kerja.

select nip, nama, tgl_masuk, timestampdiff(year,tgl_masuk,now()) as masa_kerja from staf order by timestampdiff(year,tgl_masuk,now());

nip	nama	tgl_masuk	masa_kerja			
+ A002 A001 A004 A003 S003	Parwoto Dani Leli Bagus Haryati Fatimah	2017-02-01 2016-01-10 2016-06-01 2015-01-01 2009-11-11 2008-09-02	5 6 6 7 12			
S001 M003 M002 M001	Siti Nanda Robi Mita	2007-10-10 2002-04-10 2000-05-05 1998-10-01	15 20 22 24			
10 rows in set (0.001 sec)						

O. Melakukan pengelompokan pada posisi staf. Kemudian menampilkan jumlah staf berdasarkan posisi tersebut.

select posisi, count(posisi) as jumlah_posisi from staf group by posisi;

posisi	jumlah_posisi
Asisten Manager Supervisor	4 3 3
3 rows in set	(0.001 sec)