

Nama : Wildani Danial Nafis

Prodi : D-III Manajemen Informatika

NIM : 2231750007

## Praktikum bagian 2

1. 

```
C:\Windows\system32\cmd.exe - mysql -u root -p
```

```
mysql> SELECT deskripsi_ruang FROM ruang WHERE nama_ruang = 'LKJ1';
```

deskripsi_ruang
Laboratorium Keamanan Jaringan 1

1 row in set (0.00 sec)

2. 

```
C:\Windows\system32\cmd.exe - mysql -u root -p
```

```
mysql> SELECT DISTINCT kode_hari FROM jadwal;
```

kode_hari
001
002
003
004
005

5 rows in set (0.00 sec)

3. 

```
C:\Windows\system32\cmd.exe - mysql -u root -p
```

```
mysql> SELECT * FROM ruang WHERE nama_ruang IN ('RT01', 'RT10');
```

kode_ruang	nama_ruang	deskripsi_ruang
0501	RT01	Ruang Teori 1
0006	RT10	Ruang Teori 10

2 rows in set (0.00 sec)

4. 

```
C:\Windows\system32\cmd.exe - mysql -u root -p
```

```
mysql> SELECT * FROM ruang WHERE kode_ruang BETWEEN '0501' AND '0508';
```

kode_ruang	nama_ruang	deskripsi_ruang
0501	RT01	Ruang Teori 1
0502	RT02	Ruang Teori 2
0503	RT03	Ruang Teori 3
0504	RT04	Ruang Teori 4
0505	RT05	Ruang Teori 5
0506	RT06	Ruang Teori 6
0507	RT07	Ruang Teori 7
0508	LPY1	Laboratorium Proyek 1

8 rows in set (0.00 sec)

5. 

```
C:\Windows\system32\cmd.exe - mysql -u root -p
```

```
mysql> SELECT * FROM dosen WHERE nama_dosen LIKE 'E%';
```

kode_dosen	nama_dosen
D028	Eka Larasati Amalia, SST., MT.
D029	Ekojono, ST., M.Kom.
D030	Elok Nur Hamdana, ST., MT
D031	Erfan Rohadi, ST., MEng., PhD.

4 rows in set (0.00 sec)

6. A

7. 

```
C:\Windows\system32\cmd.exe - mysql -u root -p
```

```
mysql> SELECT kode_jp, jp_mulai FROM jp ORDER BY jp_mulai;
```

kode_jp	jp_mulai
1	07:00:00
2	07:50:00
3	08:40:00
4	09:40:00
5	10:30:00
6	11:20:00
7	12:50:00
8	13:40:00
9	14:30:00
10	15:30:00
11	16:20:00
12	17:10:00

12 rows in set (0.00 sec)



## Praktikum bagian 3

1.

```
C:\Windows\system32\cmd.exe - mysql -u root -p
mysql> SELECT kode_dosen, kode_mk, kode_hari, jp_mulai, jp_selesai FROM jadwal WHERE jp_selesai IN (SELECT MAX(jp_selesai) FROM jadwal);
```

kode_dosen	kode_mk	kode_hari	jp_mulai	jp_selesai
D001	02001	003	10	12
D001	02001	005	10	12
D002	02037	001	7	12
D002	02025	004	7	12
D004	02032	001	10	12
D004	02034	002	7	12
D006	02037	004	7	12
D006	02037	005	7	12
D007	02011	004	8	12
D008	02012	005	9	12
D008	02012	005	9	12
D009	02005	003	7	12
D011	02019	004	8	12
D015	02005	002	7	12
D015	02005	003	7	12
D015	02033	004	7	12
D016	02033	005	7	12
D017	02027	004	7	12
D018	02013	001	10	12
D018	02013	001	10	12
D019	02022	001	7	12
D020	02004	004	9	12
D022	02033	003	7	12
D024	02037	005	7	12
D026	02015	003	7	12
D031	02033	005	7	12
D032	02009	002	10	12
D033	02037	003	7	12
D035	02041	002	7	12
D035	02018	005	8	12
D036	02022	001	7	12
D036	02045	002	7	12
D038	02020	003	10	12
D039	02040	003	8	12
D040	02033	003	7	12
D040	02003	004	7	12
D042	02037	001	7	12
D042	02037	004	7	12
D044	02021	001	10	12
D044	02021	001	10	12
D044	02033	004	7	12
D045	02037	004	7	12
D046	02003	005	7	12
D048	02027	005	7	12
D049	02025	002	7	12
D049	02030	004	7	12
D050	02001	001	10	12
D050	02001	004	10	12
D051	02039	003	7	12
D052	02005	002	7	12
D052	02005	003	7	12
D053	02030	005	7	12
D054	02029	002	7	12
D054	02029	004	7	12
D055	02029	004	7	12
D055	02027	005	7	12
D056	02015	001	7	12
D056	02039	003	7	12
D057	02037	001	7	12
D057	02041	005	7	12
D058	02032	001	10	12
D058	02041	005	7	12
D059	02025	002	7	12
D060	02039	001	7	12
D060	02039	005	7	12
D061	02004	002	9	12
D062	02011	004	8	12
D062	02038	005	10	12
D062	02038	005	10	12
D063	02005	002	7	12
D063	02005	003	7	12
D067	02013	004	10	12
D067	02029	005	7	12
D068	02027	002	7	12
D069	02039	002	7	12
D070	02009	001	10	12
D072	02014	001	10	12
D072	02014	001	10	12
D074	02038	002	10	12
D076	02015	001	7	12
D076	02015	003	7	12
D077	02015	001	7	12
D078	02015	002	7	12
D078	02018	005	8	12
D079	02031	002	8	12
D079	02031	003	8	12
D080	02031	004	8	12
D082	02030	002	7	12
D083	02041	002	7	12
D083	02030	003	7	12
D083	02041	004	7	12
D084	02033	004	7	12
D085	02006	002	10	12

```
93 rows in set (0.00 sec)
```

2.

```
C:\Windows\system32\cmd.exe - mysql -u root -p
mysql> SELECT kode_dosen, kode_mk, kode_hari, jp_mulai, jp_selesai FROM jadwal WHERE jp_selesai < ALL (SELECT jp_selesai FROM jadwal WHERE jp_selesai = 6);
```

kode_dosen	kode_mk	kode_hari	jp_mulai	jp_selesai
D001	02001	004	1	3
D002	02036	003	2	4
D003	02012	002	1	4
D003	02012	002	1	4
D003	02017	003	2	5
D003	02017	003	2	5
D003	02017	005	2	5
D004	02028	001	1	3
D007	02038	003	3	5
D007	02038	003	3	5
D008	02012	001	2	5
D008	02036	003	2	4
D010	02026	001	3	4
D011	02019	002	1	5
D011	02019	004	1	5
D011	02019	005	1	5
D012	02018	001	1	5
D012	02018	002	1	5
D013	02008	005	2	4
D014	02017	004	1	4
D014	02017	004	1	4
D014	02017	005	2	5
D015	02032	002	3	5
D016	02038	001	1	3
D021	02032	002	1	3
D022	02012	005	1	4
D023	02023	001	1	4
D023	02023	005	1	4
D025	02017	005	1	4
D025	02017	005	1	4
D027	02035	003	1	4
D028	02026	002	1	4
D029	02036	003	1	3
D029	02036	003	1	3
D029	02036	005	1	3
D029	02036	005	1	3
D030	02036	003	1	3
D032	02008	002	1	3
D034	02008	001	1	3
D038	02012	002	2	5
D038	02012	005	1	4
D038	02012	005	1	4
D039	02040	001	1	3
D039	02040	001	1	3
D041	02028	002	1	3
D041	02028	002	1	3
D042	02035	005	2	5
D042	02035	005	2	5
D043	02017	001	2	5
D043	02017	002	2	5
D043	02017	002	2	5
D044	02032	001	3	5
D044	02020	004	3	5
D044	02020	004	3	5
D046	02018	005	1	5
D047	02020	002	1	3
D047	02020	002	1	3
D050	02001	003	1	3
D051	02000	003	2	4
D054	02003	001	2	4
D054	02003	001	2	4
D055	02003	001	1	3
D059	02023	001	1	4
D059	02023	002	2	5
D059	02023	005	2	5
D060	02018	005	1	5
D061	02004	005	2	5
D062	02011	005	1	5
D063	02026	003	1	4
D063	02026	003	1	4
D064	02006	001	1	3
D064	02006	002	1	3
D064	02006	003	1	3
D064	02006	004	1	3
D064	02006	005	2	4
D071	02017	001	1	4
D071	02017	001	1	4
D071	02017	003	1	4
D072	02014	001	1	3
D072	02014	001	1	3
D073	02012	003	1	4
D074	02038	002	3	5
D074	02038	002	3	5
D074	02019	005	1	5
D075	02028	001	1	3
D076	02012	001	1	4
D076	02012	001	1	4
D078	02018	002	1	5
D079	02035	005	2	5
D080	02035	002	1	4
D081	02014	001	1	3
D081	02014	001	1	3
D081	02014	002	1	3
D081	02014	002	1	3
D081	02014	004	1	3
D081	02014	004	1	3
D082	02013	002	1	3
D084	02032	001	1	3
D084	02020	004	1	3
D084	02020	004	1	3
D085	02006	001	1	3
D085	02006	003	1	3
D085	02006	004	2	4

```
103 rows in set (0.00 sec)
```

## Praktikum bagian 4

1.

```
C:\Windows\system32\cmd.exe - mysql -u root -p
mysql> SELECT AVG(jp_selesai-jp_mulai) FROM jadwal;
```

AVG(jp_selesai-jp_mulai)
3.4000

```
1 row in set (0.00 sec)
```

2.

```
C:\Windows\system32\cmd.exe - mysql -u root -p

mysql> SELECT MAX(jp_mulai) FROM jadwal;
+-----+
| MAX(jp_mulai) |
+-----+
| 10 |
+-----+
1 row in set (0.00 sec)
```

3.

```
C:\Windows\system32\cmd.exe - mysql -u root -p

mysql> SELECT MIN(jp_selesai) FROM jadwal;
+-----+
| MIN(jp_selesai) |
+-----+
| 3 |
+-----+
1 row in set (0.00 sec)
```

4.

```
C:\Windows\system32\cmd.exe - mysql -u root -p

mysql> SELECT SUM(jp_selesai-jp_mulai) FROM jadwal WHERE kode_dosen = 'D001';
+-----+
| SUM(jp_selesai-jp_mulai) |
+-----+
| 14 |
+-----+
1 row in set (0.00 sec)
```

```
mysql> SELECT * FROM jadwal WHERE kode_dosen = 'D001';
+-----+
| kode_jadwal | kode_kelas | kode_dosen | kode_mk | kode_ruang | kode_hari | jp_mulai | jp_selesai |
+-----+
| 1 | 2021020101 | D001 | 02001 | 0504 | 001 | 7 | 9 |
| 2 | 2021010103 | D001 | 02001 | 0506 | 002 | 9 | 11 |
| 3 | 2021010105 | D001 | 02001 | 0806 | 003 | 10 | 12 |
| 4 | 2021010102 | D001 | 02001 | 0506 | 004 | 1 | 3 |
| 5 | 2021010106 | D001 | 02001 | 0806 | 004 | 4 | 6 |
| 6 | 2021010101 | D001 | 02001 | 0506 | 004 | 7 | 9 |
| 7 | 2021010104 | D001 | 02001 | 0506 | 005 | 10 | 12 |
+-----+
7 rows in set (0.00 sec)
```

5.

```
C:\Windows\system32\cmd.exe - mysql -u root -p

mysql> SELECT COUNT(kode_ruang) FROM ruang;
+-----+
| COUNT(kode_ruang) |
+-----+
| 36 |
+-----+
1 row in set (0.00 sec)
```

## Tugas

2.

```
C:\Windows\system32\cmd.exe - mysql -u root -p

mysql> SELECT * FROM jadwal WHERE kode_hari = (SELECT kode_hari FROM hari WHERE nama_hari = 'Kamis') AND jp_mulai = (SELECT kode_jp FROM jp WHERE jp_mulai = '08:40');
+-----+
| kode_jadwal | kode_kelas | kode_dosen | kode_mk | kode_ruang | kode_hari | jp_mulai | jp_selesai |
+-----+
| 80 | 2021020106 | D017 | 02004 | 0805 | 004 | 3 | 6 |
| 194 | 2021020206 | D044 | 02020 | 0707 | 004 | 3 | 5 |
| 195 | 2021020207 | D044 | 02020 | 0707 | 004 | 3 | 5 |
+-----+
3 rows in set (0.00 sec)
```

3.

```
C:\Windows\system32\cmd.exe - mysql -u root -p

mysql> SELECT COUNT(kode_dosen) FROM jadwal WHERE kode_hari = (SELECT kode_hari FROM hari WHERE nama_hari = 'Selasa');
+-----+
| COUNT(kode_dosen) |
+-----+
| 67 |
+-----+
1 row in set (0.00 sec)
```

```
mysql> SELECT kode_dosen FROM jadwal WHERE kode_hari = (SELECT kode_hari FROM hari WHERE nama_hari = 'Selasa');
+-----+
| kode_dosen |
+-----+
| D001       |
| D003       |
| D003       |
| D004       |
| D007       |
| D009       |
| D009       |
| D010       |
| D011       |
| D012       |
| D012       |
| D013       |
| D013       |
| D015       |
| D015       |
| D021       |
| D025       |
| D028       |
| D028       |
| D028       |
| D031       |
| D032       |
| D032       |
| D034       |
| D035       |
| D035       |
| D036       |
| D036       |
| D038       |
| D039       |
| D041       |
| D041       |
| D043       |
| D043       |
| D047       |
| D047       |
| D048       |
| D049       |
| D049       |
| D052       |
| D054       |
| D059       |
| D059       |
| D061       |
| D062       |
| D063       |
| D064       |
| D068       |
| D069       |
| D070       |
| D074       |
| D074       |
| D074       |
| D075       |
| D078       |
| D078       |
| D079       |
| D079       |
| D079       |
| D080       |
| D081       |
| D081       |
| D082       |
| D082       |
| D083       |
| D085       |
| D085       |
+-----+
67 rows in set (0.00 sec)
```

4.

```
C:\Windows\system32\cmd.exe - mysql -u root -p
mysql> SELECT kode_dosen FROM jadwal WHERE kode_hari = (SELECT kode_hari FROM hari WHERE nama_hari = 'Kamis') INTERSECT SELECT kode_dosen FROM dosen WHERE nama_dosen LIKE 'A%';
+-----+
| kode_dosen |
+-----+
| D001       |
| D002       |
| D004       |
| D006       |
| D007       |
| D008       |
| D011       |
| D013       |
+-----+
8 rows in set (0.00 sec)
```

5.

CA\Windows\system32\cmd.exe - mysql -u root -p

```
mysql> SELECT kode_ruang, kode_hari, jp_mulai FROM jadwal WHERE kode_hari = (SELECT kode_hari FROM hari WHERE nama_hari = 'Senin') ORDER BY jp_mulai;
```

kode_ruang	kode_hari	jp_mulai
0503	001	1
0805	001	1
0704	001	1
0620	001	1
0715	001	1
0505	001	1
0505	001	1
0719	001	1
0702	001	1
0506	001	1
0502	001	1
0701	001	1
0618	001	1
0716	001	1
0503	001	1
0615	001	1
0508	001	1
0713	001	1
0718	001	1
0504	001	1
0615	001	1
0708	001	1
0507	001	1
0507	001	1
0618	001	1
0501	001	1
0720	001	1
0720	001	1
0619	001	2
0705	001	2
0703	001	2
0703	001	2
0806	001	3
0706	001	3
0507	001	4
0507	001	4
0501	001	4
0805	001	4
0717	001	4
0506	001	4
0708	001	4
0503	001	4
0805	001	4
0502	001	4
0704	001	4
0617	001	5
0716	001	5
0707	001	5
0701	001	5
0615	001	5
0716	001	5
0708	001	5
0617	001	5
0615	001	5
0701	001	5
0708	001	5
0702	001	5
0501	001	5
0715	001	5
0707	001	5
0617	001	5
0501	001	5
0619	001	5
0501	001	7
0805	001	7
0715	001	7
0720	001	7
0703	001	7
0619	001	7
0506	001	7
0504	001	7
0508	001	7
0806	001	7
0507	001	7
0503	001	7
0701	001	7
0705	001	7
0505	001	7
0505	001	7
0702	001	7
0615	001	7
0714	001	7
0620	001	7
0502	001	7
0704	001	8
0713	001	9
0806	001	10
0504	001	10
0502	001	10
0618	001	10
0501	001	10
0507	001	10
0714	001	10
0714	001	10
0501	001	10
0618	001	10

96 rows in set (0.00 sec)