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Latihan pertemuan 9

1. Buat database menggunakan phpMyAdmin dengan nama “db_latihan_sepatu”.

```
mysql> create database db_latihan_sepatu;
Query OK, 1 row affected (0.06 sec)
```

2. Buat beberapa tabel pada database db_latihan_sepatu, sebagai berikut:

```
mysql> CREATE TABLE sepatu ( kd_sepatu CHAR(4) PRIMARY KEY, merk VARCHAR(30), ukuran VARCHAR(10), harga INT ) ENGINE=InnoDB;
Query OK, 0 rows affected (0.13 sec)

mysql> CREATE TABLE pembeli ( id_pembeli INT AUTO_INCREMENT PRIMARY KEY, nm_pembeli VARCHAR(35), alamat VARCHAR(60), no_hp VARCHAR(18) ) ENGINE=InnoDB;
Query OK, 0 rows affected (0.02 sec)

mysql> CREATE TABLE penjualan ( no_fak CHAR(6) PRIMARY KEY, tgl_fak VARCHAR(35), id_pembeli INT, CONSTRAINT fk_penjualan_pembeli FOREIGN KEY (id_pembeli) REFERENCES pembeli(id_pembeli) ON UPDATE CASCADE ON DELETE RESTRICT ) ENGINE=InnoDB;
Query OK, 0 rows affected (0.07 sec)

mysql> CREATE TABLE detail_penjualan ( no_fak CHAR(6), kd_sepatu CHAR(4), jumlah INT, PRIMARY KEY (no_fak, kd_sepatu), CONSTRAINT fk_detail_penjualan_penjualan FOREIGN KEY (no_fak) REFERENCES penjualan(no_fak) ON UPDATE CASCADE ON DELETE RESTRICT, CONSTRAINT fk_detail_penjualan_sepatu FOREIGN KEY (kd_sepatu) REFERENCES sepatu(kd_sepatu) ON UPDATE CASCADE ON DELETE RESTRICT ) ENGINE=InnoDB;
Query OK, 0 rows affected (0.08 sec)
```

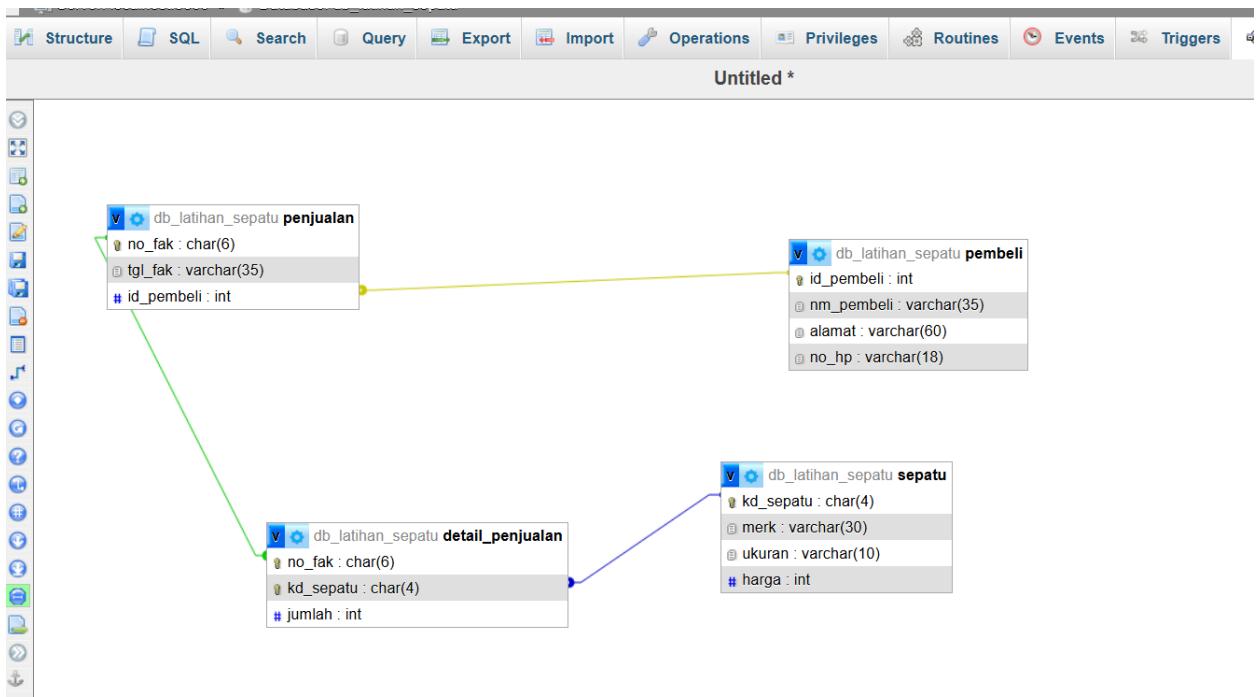
3. Isi Record untuk masing-masing tabel sebagai berikut :

```
mysql> INSERT INTO pembeli (id_pembeli, nm_pembeli, alamat, no_hp) VALUES (1, 'Joko', 'Pontianak', '091212123434'), (2, 'Butet', 'Yogyakarta', '091213134545'), (3, 'Daeng', 'Tegal', '091214145656'), (4, 'Putu', 'Tasikmalaya', '091215156767'), (5, 'Neng', 'Bandung', '091216167878');
Query OK, 5 rows affected (0.01 sec)
Records: 5 Duplicates: 0 Warnings: 0

mysql> INSERT INTO penjualan (no_fak, tgl_fak, id_pembeli) VALUES ('FK0101', '2017-11-02', 1), ('FK0102', '2017-11-03', 3), ('FK0103', '2017-11-04', 4), ('FK0104', '2017-11-05', 5);
Query OK, 4 rows affected (0.01 sec)
Records: 4 Duplicates: 0 Warnings: 0

mysql> INSERT INTO detail_penjualan (no_fak, kd_sepatu, jumlah) VALUES ('FK0101', 'S001', 1), ('FK0101', 'S002', 2), ('FK0102', 'S001', 1), ('FK0103', 'S005', 3), ('FK0104', 'S003', 1), ('FK0104', 'S006', 1);
Query OK, 6 rows affected (0.01 sec)
Records: 6 Duplicates: 0 Warnings: 0
```

4. Buat relasi antar tabel dengan menggunakan “Designer phpMyAdmin”.



Latihan Pertemuan ke 10

- Buat sebuah database dengan nama “NIMMasingmasing_bab10”, kemudian tampilkan seluruh daftar tabel yang ada.

```

mysql>
mysql> CREATE DATABASE IF NOT EXISTS 10240038_bab10; use 10240038_bab10;
Query OK, 1 row affected (0.02 sec)

```

- Aktifkan database NIMMasingmasing_bab10.

```

mysql>
mysql> CREATE DATABASE IF NOT EXISTS 10240038_bab10; use 10240038_bab10;
Query OK, 1 row affected (0.02 sec)

```

- Buat tabel bernama “tb_brg”, dengan ketentuan sebagai berikut:

```

Database changed
mysql> CREATE TABLE tb_brg ( kd_brg CHAR(3) PRIMARY KEY, nm_brg VARCHAR(45), jumlah INT, harga INT ) ENGINE=InnoDB;
Query OK, 0 rows affected (0.04 sec)

```

- Buat tabel bernama “tb_cust”, dengan ketentuan sebagai berikut:

```

mysql> CREATE TABLE tb_cust ( kd_cust CHAR(3) PRIMARY KEY, nm_cust VARCHAR(45), alamat_cust VARCHAR(75), telp_cust VARCHAR(20) ) ENGINE=InnoDB;
Query OK, 0 rows affected (0.03 sec)

```

5. Buat Tabel bernama “tb_trans”, dengan ketentuan sebagai berikut:

```
mysql> CREATE TABLE tb_trans ( id INT AUTO_INCREMENT PRIMARY KEY, kd_brg CHAR(3), kd_cust CHAR(3), CONSTRAINT fk_trans_brg FOREIGN KEY (kd_brg) REFERENCES tb_brg(kd_brg) ON UPDATE CASCADE ON DELETE RESTRICT, CONSTRAINT fk_trans_cust FOREIGN KEY (kd_cust) REFERENCES tb_cust(kd_cust) ON UPDATE CASCADE ON DELETE RESTRICT ) ENGINE=InnoDB;
Query OK, 0 rows affected (0.07 sec)
```

6. Tampilkan struktur tabel dari masing-masing tabel yang telah dibuat.

```
mysql> DESCRIBE tb_brg; DESCRIBE tb_cust; DESCRIBE tb_trans;
+-----+-----+-----+-----+
| Field | Type  | Null | Key | Default | Extra |
+-----+-----+-----+-----+
| kd_brg | char(3) | NO   | PRI | NULL    |          |
| nm_brg | varchar(45)| YES  |      | NULL    |          |
| jumlah | int    | YES  |      | NULL    |          |
| harga  | int    | YES  |      | NULL    |          |
+-----+-----+-----+-----+
4 rows in set (0.03 sec)

+-----+-----+-----+-----+
| Field | Type  | Null | Key | Default | Extra |
+-----+-----+-----+-----+
| kd_cust | char(3) | NO   | PRI | NULL    |          |
| nm_cust | varchar(45)| YES  |      | NULL    |          |
| alamat_cust | varchar(75)| YES  |      | NULL    |          |
| telp_cust | varchar(20) | YES  |      | NULL    |          |
+-----+-----+-----+-----+
4 rows in set (0.00 sec)

+-----+-----+-----+-----+
| Field | Type  | Null | Key | Default | Extra |
+-----+-----+-----+-----+
| id    | int   | NO   | PRI | NULL    | auto_increment |
| kd_brg | char(3) | YES  | MUL | NULL    |          |
| kd_cust | char(3) | YES  | MUL | NULL    |          |
+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

7. Isikan data untuk tabel tb_brg, dengan data sebagai berikut:

```
mysql> INSERT INTO tb_brg (kd_brg, nm_brg, jumlah, harga) VALUES ('B01','Buku',50,4500), ('B02','Pulpen',35,3000), ('B03','Penggaris',20,1500), ('B04','Penghapus',15,500), ('B05','Spidol',30,4000);
Query OK, 5 rows affected (0.04 sec)
Records: 5  Duplicates: 0  Warnings: 0
```

8. Isikan data untuk tabel tb_cust, dengan data sebagai berikut:

```

mysql> INSERT INTO tb_cust (kd_cust, nm_cust, alamat_cust, telp_cust) VALUES ('111','Nagoya Saki','BSD','084783838383'), ('112','Ibmu Raihan','Serpong','082798989898'), ('113','Anto Hoed','Muncul','081040404040'), ('114','Abdul Karim','Keranggan','086567676767'), ('115','Roberto Salim','Cisauk','083164646464');
Query OK, 5 rows affected (0.01 sec)
Records: 5  Duplicates: 0  Warnings: 0

mysql> select * tb_cust;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'tb_cust' at line 1
mysql> select * from tb_cust;
+-----+-----+-----+-----+
| kd_cust | nm_cust | alamat_cust | telp_cust |
+-----+-----+-----+-----+
| 111 | Nagoya Saki | BSD | 084783838383 |
| 112 | Ibmu Raihan | Serpong | 082798989898 |
| 113 | Anto Hoed | Muncul | 081040404040 |
| 114 | Abdul Karim | Keranggan | 086567676767 |
| 115 | Roberto Salim | Cisauk | 083164646464 |
+-----+-----+-----+-----+
5 rows in set (0.01 sec)

mysql> !

```

9. Isikan data untuk tabel tb_trans, dengan data sebagai berikut:

```

mysql> INSERT INTO tb_trans (id, kd_brg, kd_cust) VALUES (1,'B01','111'), (2,'B01','113'), (3,'B02','112'), (4,'B02','114'), (5,'B02','113'), (6,'B03','115'), (7,'B03','111'), (8,'B04','114'), (9,'B05','112'), (10,'B05','113');
Query OK, 10 rows affected (0.01 sec)
Records: 10  Duplicates: 0  Warnings: 0

mysql> select * from tb_trans;
+-----+-----+-----+
| id | kd_brg | kd_cust |
+-----+-----+-----+
| 1 | B01 | 111 |
| 2 | B01 | 113 |
| 3 | B02 | 112 |
| 4 | B02 | 114 |
| 5 | B02 | 113 |
| 6 | B03 | 115 |
| 7 | B03 | 111 |
| 8 | B04 | 114 |
| 9 | B05 | 112 |
| 10 | B05 | 113 |
+-----+-----+-----+
10 rows in set (0.00 sec)

-- 10) Tampilkan isi record dari masing-masing tabel
SELECT * FROM tb_brg;
SELECT * FROM tb_cust;
SELECT * FROM tb_trans;

-- 11) INNER JOIN: daftar barang yang dibeli customer bernama "Ibmu Raihan"
SELECT t.id, c.kd_cust, c.nm_cust, b.kd_brg, b.nm_brg, b.harga
FROM tb_trans t
INNER JOIN tb_cust c ON t.kd_cust = c.kd_cust
INNER JOIN tb_brg b ON t.kd_brg = b.kd_brg
WHERE c.nm_cust = 'Ibmu Raihan'

```

10. Tampilkan isi record dari masing-masing tabel yang telah dibuat.

```

mysql> SELECT * FROM tb_brg; SELECT * FROM tb_cust; SELECT * FROM tb_trans;
+-----+-----+-----+
| kd_brg | nm_brg | jumlah | harga |
+-----+-----+-----+
| B01 | Buku | 50 | 4500 |
| B02 | Pulpen | 35 | 3000 |
| B03 | Penggaris | 20 | 1500 |
| B04 | Penghapus | 15 | 500 |
| B05 | Spidol | 30 | 4000 |
+-----+-----+-----+
5 rows in set (0.00 sec)

+-----+-----+-----+
| kd_cust | nm_cust | alamat_cust | telp_cust |
+-----+-----+-----+
| 111 | Nagoya Saki | BSD | 084783838383 |
| 112 | Ibmu Raihan | Serpong | 082798989898 |
| 113 | Anto Hoed | Muncul | 081040404040 |
| 114 | Abdul Karim | Keranggan | 086567676767 |
| 115 | Roberto Salim | Cisauk | 083164646464 |
+-----+-----+-----+
5 rows in set (0.00 sec)

-- 9) Ask ChatGPT tampilkan isi record dari masing-masing tabel
SELECT * FROM tb_brg;
SELECT * FROM tb_cust;
SELECT * FROM tb_trans;

-- 11) INNER JOIN: daftar barang yang dibeli customer bernama "Ibmu Raihan"
SELECT t.id, c.kd_cust,
FROM tb_trans t
INNER JOIN tb_cust c ON t.kd_cust = c.kd_cust
INNER JOIN tb_brg b ON t.kd_brg = b.kd_brg
WHERE c.nm_cust = 'Ibmu Raihan'

```

11. Berdasarkan ketiga tabel diatas, gunakan perintah Inner Join untuk menampilkan daftar barang yang telah dibeli oleh customer bernama Ibmu Raihan.

```
mysql> SELECT t.id, c.kd_cust, c.nm_cust, b.kd_brg, b.nm_brg, b.harga FROM tb_trans t INNER JOIN tb_cust c ON t.kd_cust = c.kd_cust INNER JOIN tb_brg b ON t.kd_brg = b.kd_brg WHERE c.nm_cust = 'Ibmu Raihan';
+----+-----+-----+-----+-----+
| id | kd_cust | nm_cust | kd_brg | nm_brg | harga |
+----+-----+-----+-----+-----+
| 3  | 112    | Ibmu Raihan | B02   | Pulpen  | 3000  |
| 9  | 112    | Ibmu Raihan | B05   | Spidol  | 4000  |
+----+-----+-----+-----+-----+
2 rows in set (0.00 sec)
```

12. Hapus isi record tabel tb_cust bernada Roberto Salim.

```
mysql> DELETE FROM tb_trans WHERE kd_cust = '115'; DELETE FROM tb_cust WHERE nm_cust = 'Roberto Salim';
Query OK, 1 row affected (0.01 sec)
Query OK, 1 row affected (0.00 sec)
```

13. Tampilkan kembali isi record dari tabel tb_cust.

```
mysql> SELECT * FROM tb_cust;
+-----+-----+-----+-----+
| kd_cust | nm_cust      | alamat_cust | telp_cust |
+-----+-----+-----+-----+
| 111    | Nagoya Saki  | BSD          | 084783838383 |
| 112    | Ibmu Raihan  | Serpong      | 082798989898 |
| 113    | Anto Hoed    | Muncul       | 081040404040 |
| 114    | Abdul Karim  | Keranggan   | 086567676767 |
+-----+-----+-----+-----+
4 rows in set (0.00 sec)
```

14. Ubah alamat customer pada tb_cust untuk Anto Hoed menjadi “Parung”.

```
mysql> UPDATE tb_cust SET alamat_cust = 'Parung' WHERE nm_cust = 'Anto Hoed';
Query OK, 1 row affected (0.01 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

15. Gunakan perintah Inner Join untuk menampilkan daftar barang yang telah dibeli oleh customer bernama Abdul Karim.

```
mysql> SELECT t.id, c.kd_cust, c.nm_cust, b.kd_brg, b.nm_brg, b.harga FROM tb_trans t INNER JOIN tb_cust c ON t.kd_cust = c.kd_cust INNER JOIN tb_brg b ON t.kd_brg = b.kd_brg WHERE c.nm_cust = 'Abdul Karim';
+----+-----+-----+-----+-----+
| id | kd_cust | nm_cust | kd_brg | nm_brg | harga |
+----+-----+-----+-----+-----+
| 4  | 114    | Abdul Karim | B02   | Pulpen  | 3000  |
| 8  | 114    | Abdul Karim | B04   | Penghapus | 500   |
+----+-----+-----+-----+-----+
2 rows in set (0.01 sec)
```

Latihan pertemuan ke 11

1. Buat sebuah database dengan nama “ NIMMasingmasing_bab11”.

```
mysql> CREATE DATABASE IF NOT EXISTS 10240038_bab11;
Query OK, 1 row affected (0.02 sec)
```

2. aktifkan database NIMMasingmasing_bab11.

```
mysql> use 10240038_bab11;
Database changed
mysql>
```

3. Buat 3 buah tabel dengan ketentuan sebagai berikut:

```
mysql> use 10240038_bab11;
Database changed
mysql> CREATE TABLE komik ( kd_komik CHAR(4) PRIMARY KEY, judul VARCHAR(50), pengarang VARCHAR(45), penerbit VARCHAR(40), harga INT ) ENGINE=InnoDB;
Query OK, 0 rows affected (0.08 sec)

mysql> CREATE TABLE member ( id_member CHAR(4) PRIMARY KEY, nama_member VARCHAR(45), alamat_member VARCHAR(60), no_telp VARCHAR(18) ) ENGINE=InnoDB;
Query OK, 0 rows affected (0.08 sec)

mysql> CREATE TABLE transaksi ( notrans INT AUTO_INCREMENT PRIMARY KEY, id_member CHAR(4), kd_komik CHAR(4), tgl_beli DATE, jml_beli DOUBLE, CONSTRAINT fk_transaksi_member FOREIGN KEY (id_member) REFERENCES member(id_member) ON UPDATE CASCADE ON DELETE RESTRICT, CONSTRAINT fk_transaksi_komik FOREIGN KEY (kd_komik) REFERENCES komik(kd_komik) ON UPDATE CASCADE ON DELETE RESTRICT ) ENGINE=InnoDB;
Query OK, 0 rows affected (0.06 sec)
```

```
mysql> INSERT INTO member (id_member, nama_member, alamat_member, no_telp) VALUES ('1001','Suma Aryo','Cimone','084167676767'), ('1002','Kumala Wati','Tangerang','084189898989'), ('1003','Nenden Fitria','Jatiuwung','084531313131'), ('1004','Gundala Legam','Pasar Kemis','084510101010'), ('1005','Roy Puryo','Kali Pasir','084166667777');
Query OK, 5 rows affected (0.01 sec)
Records: 5 Duplicates: 0 Warnings: 0
```

```
mysql> INSERT INTO transaksi (notrans, id_member, kd_komik, tgl_beli, jml_beli) VALUES (1001,'1001','K01','2020-01-20',4), (1002,'1004','K03','2020-01-21',7), (1003,'1005','K05','2020-01-25',5);
Query OK, 3 rows affected (0.01 sec)
Records: 3 Duplicates: 0 Warnings: 0
```

4. Isi Record masing-masing tabel sebagai berikut:

```
mysql> INSERT INTO komik (kd_komik, judul, pengarang, penerbit, harga) VALUES ('K01','Ular Putih','Adrian Veri','Komika Indo',25000), ('K02','Satria Bertopeng','Tyo Sadewo','Graha Komik',7000), ('K03','Tutur Tinular','Moels Mui','Graha Komik',40000), ('K04','Rajawali Sakti','Adrian Veri','Komika Indo',30000), ('K05','Elang Emas','Adrian Veri','Komika Indo',28000); -- 4) Isi data tabel member INSERT INTO member (id_member, nama_member, alamat_member, no_telp) VALUES ('1001','Suma Aryo','Cimone','084167676767'), ('1002','Kumala Wati','Tangerang','084189898989'), ('1003','Nenden Fitria','Jatiuwung','084531313131'), ('1004','Gundala Legam','Pasar Kemis','084510101010'), ('1005','Roy Puryo','Kali Pasir','084166667777'); -- 4) Isi data tabel transaksi (boleh memasukkan notrans nilai AUTO_INCREMENT) INSERT INTO transaksi (notrans, id_member, kd_komik, tgl_beli, jml_beli) VALUES (1001,'1001','K01','2020-01-20',4), (1002,'1004','K03','2020-01-21',7), (1003,'1005','K05','2020-01-25',5);
Query OK, 5 rows affected (0.02 sec)
Records: 5 Duplicates: 0 Warnings: 0
```

5. Tampilkan isi record pada masing-masing tabel.

```
mysql> SELECT * FROM komik; SELECT * FROM member; SELECT * FROM transaksi;
+-----+-----+-----+-----+
| kd_komik | judul | pengarang | penerbit | harga |
+-----+-----+-----+-----+
| K01 | Ular Putih | Adrian Veri | Komika Indo | 25000 |
| K02 | Satria Bertopeng | Tyo Sadewo | Graha Komik | 7000 |
| K03 | Tutur Tinular | Moels Mui | Graha Komik | 40000 |
| K04 | Rajawali Sakti | Adrian Veri | Komika Indo | 30000 |
| K05 | Elang Emas | Adrian Veri | Komika Indo | 28000 |
+-----+-----+-----+-----+
5 rows in set (0.00 sec)

+-----+-----+-----+-----+
| id_member | nama_member | alamat_member | no_telp |
+-----+-----+-----+-----+
| 1001 | Suma Aryo | Cimone | 084167676767 |
| 1002 | Kumala Wati | Tangerang | 084189898989 |
| 1003 | Nenden Fitria | Jatiuwung | 084531313131 |
| 1004 | Gundala Legam | Pasar Kemis | 084510101010 |
| 1005 | Roy Puryo | Kali Pasir | 084166667777 |
+-----+-----+-----+-----+
5 rows in set (0.00 sec)

+-----+-----+-----+-----+
| notrans | id_member | kd_komik | tgl_beli | jml_beli |
+-----+-----+-----+-----+
| 1001 | 1001 | K01 | 2020-01-20 | 4 |
| 1002 | 1004 | K03 | 2020-01-21 | 7 |
| 1003 | 1005 | K05 | 2020-01-25 | 5 |
+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

6. Tampilkan hanya field “notrans” (data diambil dari tabel transaksi), “nama_member” (data diambil dari tabel member), “kd_komik” (data diambil dari tabel transaksi), “jml_beli” (diambil

dari tabel transaksi), serta buat alias dengan nama “subtotal” (harga * jml_beli). Gunakan relasi Inner Join untuk menampilkan hasilnya.

```
mysql> SELECT t.notrans, m.nama_member, t.kd_komik, t.jml_beli, (k.harga * t.jml_beli) AS subtotal FROM transaksi t INNER JOIN member m ON t.id_member = m.id_member INNER JOIN komik k ON t.kd_komik = k.kd_komik;
+-----+-----+-----+-----+
| notrans | nama_member | kd_komik | jml_beli | subtotal |
+-----+-----+-----+-----+
| 1001 | Suman Aryo | K01 | 4 | 100000 |
| 1002 | Gundala Legam | K03 | 7 | 280000 |
| 1003 | Roy Purwo | K05 | 5 | 140000 |
+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

Latihan pertemuan ke 12

1. Buat database dengan nama db_review

```
mysql> CREATE DATABASE IF NOT EXISTS db_review;
```

2. Buat 3 buah tabel dengan ketentuan sebagai berikut: Tabel dokter:

```
mysql> CREATE TABLE dokter ( id_dokter INT AUTO_INCREMENT PRIMARY KEY, nama VARCHAR(35), alamat VARCHAR(50), no_telp VARCHAR(20), biaya_konsultasi DOUBLE ) ENGINE=InnoDB; -- 1. Buat tabel pasien CREATE TABLE pasien ( id_pasien INT AUTO_INCREMENT PRIMARY KEY, nama VARCHAR(35), alamat VARCHAR(50), no_telp VARCHAR(20) ) ENGINE=InnoDB; -- 2. Buat tabel periksa CREATE TABLE periksa ( noperiksa INT AUTO_INCREMENT PRIMARY KEY, tgl_periksa DATE, id_pasien INT, id_dokter INT, biaya DOUBLE, CONSTRAINT fk_periksa_pasien FOREIGN KEY (id_pasien) REFERENCES pasien(id_pasien) ON UPDATE CASCADE ON DELETE RESTRICT, CONSTRAINT fk_periksa_dokter FOREIGN KEY (id_dokter) REFERENCES dokter(id_dokter) ON UPDATE CASCADE ON DELETE RESTRICT ) ENGINE=InnoDB;
```

3. Isi Record pada tabel sebagai berikut:

```
mysql> INSERT INTO dokter (id_dokter, nama, alamat, no_telp, biaya_konsultasi) VALUES (1,'Sri Putri','BSD','0217775555',50000), (2,'Ade Wijaya','Cimone','0217776666',100000), (3,'Hermawan','Tangerang','0217778888',50000), (4,'Susanti','Cengkareng','0217779999',75000), (5,'Ernes','Ciledug','0217770000',100000);
Query OK, 5 rows affected (0.02 sec)
Records: 5  Duplicates: 0  Warnings: 0
```

```
mysql> INSERT INTO pasien (id_pasien, nama, alamat, no_telp) VALUES (1,'Abdul Majid','Tangerang','0314442222'), (2,'Ade Wijaya','Tangerang','0314443333'), (3,'Hermawan','Tangerang','03144555'), (4,'Susanti','Tangerang Selatan','0314446666'), (5,'Ernes','Tangerang Selatan','0314447777');
Query OK, 4 rows affected (0.01 sec)
Records: 4  Duplicates: 0  Warnings: 0
```

```
mysql> INSERT INTO periksa (noperiksa, tgl_periksa, id_pasien, id_dokter, biaya) VALUES (1,'2017-11-24',1,3,30000), (2,'2017-11-24',3,1,30000), (3,'2017-11-26',2,3,30000), (4,'2017-11-28',4,2,30000);
Query OK, 4 rows affected (0.01 sec)
Records: 4  Duplicates: 0  Warnings: 0
```

```
mysql> DESCRIBE dokter; DESCRIBE pasien; DESCRIBE periksa;
```

```
+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| id_dokter | int | NO | PRI | NULL | auto_increment |
| nama | varchar(35) | YES | | NULL | |
| alamat | varchar(50) | YES | | NULL | |
| no_telp | varchar(20) | YES | | NULL | |
| biaya_konsultasi | double | YES | | NULL | |
+-----+-----+-----+-----+-----+
rows in set (0.05 sec)
```

```
+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| id_pasien | int | NO | PRI | NULL | auto_increment |
| nama | varchar(35) | YES | | NULL | |
| alamat | varchar(50) | YES | | NULL | |
| no_telp | varchar(20) | YES | | NULL | |
+-----+-----+-----+-----+-----+
rows in set (0.00 sec)
```

```
+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| noperiksa | int | NO | PRI | NULL | auto_increment |
| tgl_periksa | date | YES | | NULL | |
| id_pasien | int | YES | MUL | NULL | |
| id_dokter | int | YES | MUL | NULL | |
| biaya | double | YES | NULL | NULL | |
+-----+-----+-----+-----+-----+
rows in set (0.00 sec)
```

5. Tampilkan seluruh isi record pada masing-masing tabel.

```

mysql> SELECT * FROM dokter; SELECT * FROM pasien; SELECT * FROM periksa;
+-----+-----+-----+-----+-----+
| id_dokter | nama | alamat | no_telp | biaya_konsultasi |
+-----+-----+-----+-----+-----+
| 1 | Sri Putri | BSD | 0217775555 | 50000 |
| 2 | Ade Wijaya | Cimone | 0217776666 | 100000 |
| 3 | Hermawan | Tangerang | 0217778888 | 50000 |
| 4 | Susanti | Cengkareng | 0217779999 | 75000 |
| 5 | Ernes | Ciledug | 0217770000 | 100000 |
+-----+-----+-----+-----+-----+
5 rows in set (0.01 sec)

mysql> DESCRIBE pasien;
+-----+-----+-----+-----+
| id_pasien | nama | alamat | no_telp | periksa |
+-----+-----+-----+-----+
| 1 | Abdul Majid | Tangerang | 0314442222 |
| 2 | Ade Wijaya | Tangerang | 0314443333 |
| 3 | Hermawan | Tangerang | 0314445555 |
| 4 | Susanti | Selatan | 0314446666 |
| 5 | Ernes | Selatan | 0314447777 |
+-----+-----+-----+-----+
5 rows in set (0.00 sec)

mysql> DESCRIBE periksa;
+-----+-----+-----+-----+
| noperiksa | tgl_periksa | id_pasien | id_dokter | biaya |
+-----+-----+-----+-----+
| 1 | 2017-11-24 | 1 | 3 | 30000 |
| 2 | 2017-11-24 | 3 | 1 | 30000 |
| 3 | 2017-11-26 | 2 | 3 | 30000 |
| 4 | 2017-11-28 | 4 | 2 | 30000 |
+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> 
```

6. Ubah size pada field “nama” tabel dokter, menjadi size = “45”.

```

mysql> ALTER TABLE dokter MODIFY nama VARCHAR(45);
Query OK, 0 rows affected (0.09 sec)
Records: 0  Duplicates: 0  Warnings: 0 
```

7. Tampilkan isi record tabel dokter dengan nama dokter =”Sri Putri”.

```

mysql> SELECT * FROM dokter WHERE nama = 'Sri Putri';
+-----+-----+-----+-----+
| id_dokter | nama | alamat | no_telp | biaya_konsultasi |
+-----+-----+-----+-----+
| 1 | Sri Putri | BSD | 0217775555 | 50000 |
+-----+-----+-----+-----+
1 row in set (0.00 sec) 
```

8. Tampilkan hanya field “noperiksa”, “nama”(diambil dari tabel “biaya_konsultasi”, “tgl_periksa” dengan menggunakan fungsi inner join.

```

mysql> SELECT p.noperiksa, d.nama, d.biaya_konsultasi, p.tgl_periksa FROM periksa p INNER JOIN dokter d ON p.id_dokter = d.id_dokter;
+-----+-----+-----+-----+
| noperiksa | nama | biaya_konsultasi | tgl_periksa |
+-----+-----+-----+-----+
| 1 | Hermawan | 50000 | 2017-11-24 |
| 2 | Sri Putri | 50000 | 2017-11-24 |
| 3 | Hermawan | 50000 | 2017-11-26 |
| 4 | Ade Wijaya | 100000 | 2017-11-28 |
+-----+-----+-----+-----+
4 rows in set (0.01 sec) 
```

9. Tampilkan hanya field “noperiksa”, “nama”(diambil dari tabel dokter), “biaya_konsultasi”, “tgl_periksa”, “total_biaya”. Total_biaya merupakan alias yang dibuat (total_biaya didapat dari biaya_konsultasi+biaya), gunakan fungsi inner join.

```
mysql> SELECT p.noperiksa, d.nama, d.biaya_konsultasi, p.tgl_periksa, (d.biaya_konsultasi + p.biaya) AS total_biaya FROM periksa p INNER JOIN dokter d ON p.id_dokter = d.id_dokter;
+-----+-----+-----+-----+-----+
| noperiksa | nama | biaya_konsultasi | tgl_periksa | total_biaya |
+-----+-----+-----+-----+-----+
| 1 | Hermawan | 50000 | 2017-11-24 | 80000 |
| 2 | Sri Putri | 50000 | 2017-11-24 | 80000 |
| 3 | Hermawan | 50000 | 2017-11-26 | 80000 |
| 4 | Ade Wijaya | 100000 | 2017-11-28 | 130000 |
+-----+-----+-----+-----+-----+
4 rows in set (0.01 sec)
```

10. Tampilkan hanya field “noperiksa”, “nama”(diambil dari tabel dokter), “biaya_konsultasi”, “tgl_periksa”, “total_biaya” “bonus”. Total_biaya merupakan alias yang dibuat (total_biaya didapat dari biaya_konsultasi+biaya). Buat alias kembali dengan nama “Bonus” (bonus didapat jika total_biaya >100.000, yaitu”Vitamin C”). gunakan fungsi inner join untuk mendapatkan hasilnya.

```
mysql> SELECT p.noperiksa, d.nama, d.biaya_konsultasi, p.tgl_periksa, (d.biaya_konsultasi + p.biaya) AS total_biaya, CASE WHEN (d.biaya_konsultasi + p.biaya) > 100000 THEN 'Vitamin C' ELSE 'Tidak' END AS bonus FROM periksa p INNER JOIN dokter d ON p.id_dokter = d.id_dokter;
+-----+-----+-----+-----+-----+-----+
| noperiksa | nama | biaya_konsultasi | tgl_periksa | total_biaya | bonus |
+-----+-----+-----+-----+-----+-----+
| 1 | Hermawan | 50000 | 2017-11-24 | 80000 | Tidak |
| 2 | Sri Putri | 50000 | 2017-11-24 | 80000 | Tidak |
| 3 | Hermawan | 50000 | 2017-11-26 | 80000 | Tidak |
| 4 | Ade Wijaya | 100000 | 2017-11-28 | 130000 | Vitamin C |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)
```