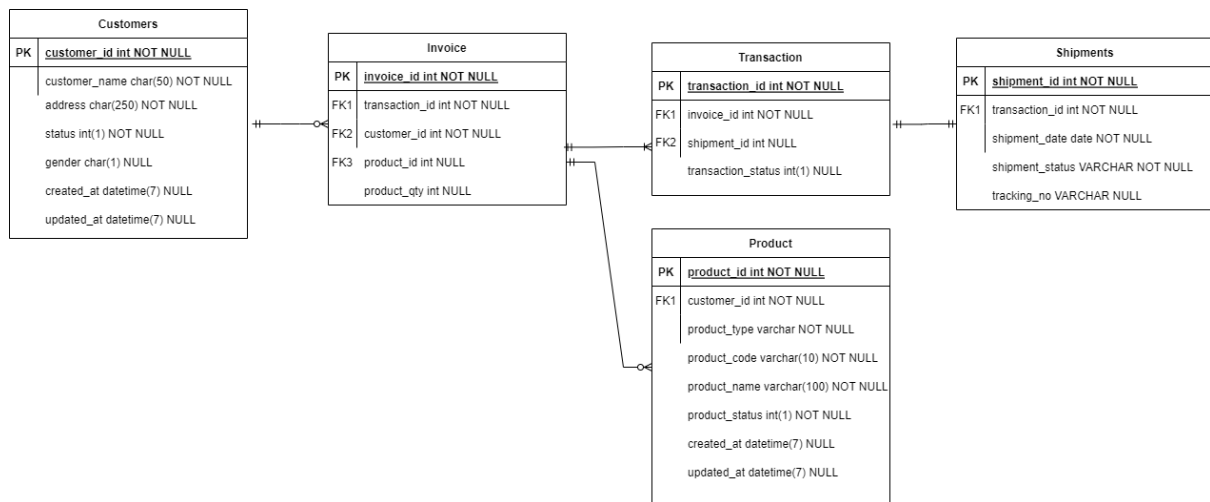


Task Database Relational

Part I. Skema Database



Part II. Data Definition Language

1. Create database alta_online_shop

The screenshot shows the MySQL Workbench interface. On the left, the 'Local MySQL' tree is expanded, and 'alta_online_shop' is selected. The main editor shows the SQL command:

```
1 CREATE DATABASE alta_online_shop
```

The 'Message' tab at the bottom displays the execution results:

```
CREATE DATABASE alta_online_shop
> OK
> Time: 0,009s
```

2. Create table:

a. User

Local MySQL

- alta_online_shop
 - Tables
 - user
- Views
- Functions
- Queries
- Backups
- information_schema
- mysql
- performance_schema
- sys
- training-alterra
- Local MongoDB

Objects *Untitled - Query

Save Query Builder Beautify SQL Code Snippet

Local MySQL alta_online_shop Run Stop Explain

```
1 CREATE TABLE user (id int(10) NOT NULL PRIMARY KEY,  
2 address VARCHAR(250) NOT NULL,  
3 status int(1) NOT NULL,  
4 gender VARCHAR(1),  
5 created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP,  
6 updated_at TIMESTAMP  
7 )
```

Message Profile Status

CREATE TABLE user (id int(10) NOT NULL PRIMARY KEY,
address VARCHAR(250) NOT NULL,
status int(1) NOT NULL,
gender VARCHAR(1),
created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
updated_at TIMESTAMP
)

> OK
> Time: 0,017s

b. Product

Local MySQL

- alta_online_shop
 - Tables
 - product
 - user
- Views
- Functions
- Queries
- Backups
- information_schema
- mysql
- performance_schema
- sys
- training-alterra
- Local MongoDB

Objects *Untitled - Query

Save Query Builder Beautify SQL Code Snippet

Local MySQL alta_online_shop Run Stop Explain

```
1 CREATE TABLE product (  
2 product_id int NOT NULL AUTO_INCREMENT,  
3 product_name varchar(100) NOT NULL,  
4 product_type varchar(100),  
5 product_description varchar(255),  
6 created_date date NOT NULL,  
7 updated_date date,  
8 PRIMARY KEY(product_id)  
9 );  
10
```

Message Profile Status

CREATE TABLE product (
product_id int NOT NULL AUTO_INCREMENT,
product_name varchar(100) NOT NULL,
product_type varchar(100),
product_description varchar(255),
created_date date NOT NULL,
updated_date date,
PRIMARY KEY(product_id)
)

> OK
> Time: 0,017s

c. Transaction

Local MySQL

- alta_online_shop
 - Tables
 - product
 - transaction
 - user
 - Views
 - Functions
 - Queries
 - Backups
 - information_schema
 - mysql
 - performance_schema
 - sys
 - training-alterra
- Local MongoDB

Objects *Untitled - Query

Save Query Builder Beautify SQL Code Snippet

Local MySQL alta_online_shop Run Stop Explain

```
1 CREATE TABLE alta_online_shop.transaction (  
2   transaction_id int NOT NULL AUTO_INCREMENT,  
3   product_id int NOT NULL,  
4   user_id int NOT NULL,  
5   transaction_no varchar(50),  
6   transaction_date date NOT NULL,  
7   PRIMARY KEY(transaction_id),  
8   FOREIGN KEY (product_id) REFERENCES product(product_id),  
9   FOREIGN KEY (user_id) REFERENCES user(id)  
10 );  
11
```

Message Profile Status

CREATE TABLE alta_online_shop.transaction (
transaction_id int NOT NULL AUTO_INCREMENT,
product_id int NOT NULL,
user_id int NOT NULL,
transaction_no varchar(50),
transaction_date date NOT NULL,
PRIMARY KEY(transaction_id),
FOREIGN KEY (product_id) REFERENCES product(product_id),
FOREIGN KEY (user_id) REFERENCES user(id)
)
> OK
> Time: 0,022s

Local MySQL

- alta_online_shop
 - Tables
 - product
 - transaction
 - transaction_detail
 - user
 - Views
 - Functions
 - Queries
 - Backups
 - information_schema
 - mysql
 - performance_schema
 - sys
 - training-alterra
- Local MongoDB

Objects *Untitled - Query

Save Query Builder Beautify SQL Code Snippet

Local MySQL alta_online_shop Run Stop Explain

```
1 CREATE TABLE transaction_detail (  
2   trans_detail_id int NOT NULL AUTO_INCREMENT,  
3   transaction_id int NOT NULL,  
4   product_id int NOT NULL,  
5   total_item int,  
6   PRIMARY KEY(trans_detail_id),  
7   FOREIGN KEY (transaction_id) REFERENCES transaction(transaction_id),  
8   FOREIGN KEY (product_id) REFERENCES product(product_id)  
9 );  
10
```

Message Profile Status

CREATE TABLE transaction_detail (
trans_detail_id int NOT NULL AUTO_INCREMENT,
transaction_id int NOT NULL,
product_id int NOT NULL,
total_item int,
PRIMARY KEY(trans_detail_id),
FOREIGN KEY (transaction_id) REFERENCES transaction(transaction_id),
FOREIGN KEY (product_id) REFERENCES product(product_id)
)
> OK
> Time: 0,023s

3. Create table kurir

The screenshot shows the MySQL Workbench interface. On the left, the 'Local MySQL' database is selected, and the 'alta_online_shop' database is open. The 'Tables' folder is expanded, showing the 'kurir' table. The main query editor displays the following SQL code:

```
1 CREATE TABLE kurir (
2   kurir_id int NOT NULL AUTO_INCREMENT,
3   name varchar(255) NOT NULL,
4   created_at date NOT NULL,
5   updated_at date,
6   PRIMARY KEY(kurir_id)
7 );
8
```

The 'Message' tab at the bottom shows the execution result:

```
CREATE TABLE kurir (
  kurir_id int NOT NULL AUTO_INCREMENT,
  name varchar(255) NOT NULL,
  created_at date NOT NULL,
  updated_at date,
  PRIMARY KEY(kurir_id)
)
> OK
> Time: 0,015s
```

4. Tambahkan kolom ongkos_dasar

The screenshot shows the MySQL Workbench interface. The 'kurir' table is selected in the 'Tables' folder. The main query editor displays the following SQL code:

```
1 ALTER TABLE kurir
2 ADD ongkos_dasar double;
3
4 SELECT * FROM kurir;
5
```

The 'Message' tab at the bottom shows the execution result:

```
ALTER TABLE kurir
ADD ongkos_dasar double;
SELECT * FROM kurir;
```

The 'Result 1' tab shows the following table structure:

| kurir_id | name | created_at | updated_at | ongkos_dasar |
|----------|-------|------------|------------|--------------|
| (N/A) | (N/A) | (N/A) | (N/A) | (N/A) |

5. Rename table kurir menjadi shipping

The screenshot shows the MySQL Workbench interface. On the left, the 'Local MySQL' database is expanded, showing the 'alta_online_shop' database and its 'Tables' (product, shipping, transaction, transaction_detail, user). The 'Query Builder' tab is active, and the query editor contains the following SQL code:

```
1 ALTER TABLE kurir
2 RENAME TO shipping;
3 |
```

The 'Message' tab at the bottom shows the execution result:

```
ALTER TABLE kurir
RENAME TO shipping
> OK
> Time: 0,021s
```

6. Delete table shipping

The screenshot shows the MySQL Workbench interface. On the left, the 'Local MySQL' database is expanded, showing the 'alta_online_shop' database and its 'Tables' (product, transaction, transaction_detail, user). The 'Query Builder' tab is active, and the query editor contains the following SQL code:

```
1 DROP TABLE shipping;
```

The 'Message' tab at the bottom shows the execution result:

```
DROP TABLE shipping
> OK
> Time: 0,013s
```

7.