```
-- MySQL Script generated by MySQL Workbench
-- Thu Apr 13 15:24:38 2023
-- Model: New Model Version: 1.0
-- MySQL Workbench Forward Engineering
SET @OLD UNIQUE CHECKS=@@UNIQUE CHECKS, UNIQUE CHECKS=0;
SET @OLD_FOREIGN_KEY_CHECKS=@@FOREIGN_KEY_CHECKS, FOREIGN_KEY_CHECKS=0; SET @OLD_SQL_MODE=@@SQL_MODE,
 SQL_MODE='ONLY_FULL_GROUP_BY,STRICT_TRANS_TABLES,NO_ZERO_IN_DATE,NO_ZERO_DATE,ERROR_FOR_
DIVISION_BY_ZERO, NO_ENGINE_SUBSTITUTION';
-- Schema mydb
__ ______
DROP SCHEMA IF EXISTS 'mydb';
__ _____
-- Schema mydb
__ _____
CREATE SCHEMA IF NOT EXISTS 'mydb' DEFAULT CHARACTER SET utf8;
USE `mydb`;
-- Table `mydb`.`address`
DROP TABLE IF EXISTS 'mydb'. address';
CREATE TABLE IF NOT EXISTS 'mydb'. address' (
 'id' INT NOT NULL AUTO INCREMENT,
   streetno VARCHAR (45) NULL,
   street VARCHAR (45) NULL,
   city VARCHAR (45) NULL,
  province VARCHAR (45) NULL,
  country VARCHAR (45) NULL,
  postal code VARCHAR (45) NULL,
   apartment_no VARCHAR(45) NULL,
   created time' TIMESTAMP NULL DEFAULT CURRENT TIMESTAMP,
  modified time TIMESTAMP NULL, deleted time TIMESTAMP NULL,
 PRIMARY KEY ('id'));
-- Table `mydb`.`user address`
DROP TABLE IF EXISTS 'mydb'. 'user
CREATE TABLE IF NOT EXISTS 'mydb'. user address
 'id' INT NULL AUTO INCREMENT,
   idUser` INT NULL,
   `idAddress` INT NULL,
  contact name VARCHAR(45) NOT NULL,
contact phone VARCHAR(45) NOT NULL,
contact email VARCHAR(45) NULL,
  cretated time TIMESTAMP NULL DEFAULT CURRENT_TIMESTAMP,
  modified_time TIMESTAMP NULL, deleted_time TIMESTAMP NULL,
 PRIMARY KEY ('id'),
 INDEX 'fk_userid_idx' ('idUser' ASC) VISIBLE,
INDEX 'fk_useraddr_addrid_idx' ('idAddress' ASC) VISIBLE,
CONSTRAINT 'fk useraddr userid
FOREIGN KEY ( iduser )
REFERENCES mydb . user ( 1d )
ON DELETE NO ACTION
ON UPDATE RESTRICT,
CONSTRAINT fk_useraddr_addrid
FOREIGN KEY ('idAddress')
   REFERENCES 'mydb'.'address ('id')
ON DELETE NO ACTION
   ON UPDATE NO ACTION)
ENGINE = InnoDB;
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-- Table `mydb`.`user`
     __ _____
     DROP TABLE IF EXISTS 'mydb'. user';
     CREATE TABLE IF NOT EXISTS 'mydb'.'user' (
     'id' INT NOT NULL AUTO INCRÉMEN
     username VARCHAR(45) NOT NULL,
password VARCHAR(45) NOT NULL,
     password VARCHAR (45) NOT NULL,
first_name VARCHAR (45) NULL,
last_name VARCHAR (45) NULL,
email VARCHAR (45) NOT NULL,
phone number VARCHAR (45) NOT NULL,
default_usr_address id INT NULL DEFAULT -1,
created time TIMESTAMP NULL DEFAULT CURRENT_TIMESTAMP,
modified time TIMESTAMP NULL,
deleted time TIMESTAMP NULL,
PRIMARY KEY ( identifications)
     PRIMARY KEY ( id , username ),
UNIQUE INDEX username UNIQUE ( username ASC) VISIBLE,
INDEX fk user defaultAddr idx ( default useraddress id
CONSTRAINT fk user defaultAddr
FOREIGN KEY ( default useraddress id )
REFERENCES mydb . user address ( id )
                                           (`default_usr_address_id` ASC) VISIBLE,
        ON DELETE NO ACTION
      ON UPDATE NO ACTION)
     ENGINE = InnoDB;
     __ _____
     -- Table `mydb`.`user_payment`
     __ _____
     DROP TABLE IF EXISTS 'mydb'.'user payment
    CREATE TABLE IF NOT EXISTS 'mydb'. user payment
      'id' INT NOT NULL AUTO INCREMENT,
        idUser' INT NOT NULL,
        payment type VARCHAR (45) NOT NULL,
        service_provider VARCHAR(45) NOT NULL,
        account_number VARCHAR(45) NOT NULL,
       expiry DATE NOT NULL,
                     erence_number VARCHAR(45) NULL,
      PRIMARY KEY ( id ),
       INDEX `fk_payment_userid_idx` (`idUser` ASC) VISIBLE,
     CONSTRAINT | fk_payment
     FOREIGN KEY ( iduser )
REFERENCES mydb . user ( id )
ON DELETE NO ACTION
ON UPDATE NO ACTION)
     ENGINE = InnoDB;
     -- Table `mydb`.`category`
     DROP TABLE IF EXISTS 'mydb'. category';
128 CREATE TABLE IF NOT EXISTS 'mydb'.'category
     'id' INT NOT NULL AUTO INCREMENT,
        category_name VARCHAR(45) NOT NULL,
       category desc VARCHAR (45) NULL,
       `parent category` INT NULL,
     PRIMARY KEY (`id`));
     __ _____
     -- Table `mydb`.`product`
     DROP TABLE IF EXISTS 'mydb'. product
    CREATE TABLE IF NOT EXISTS 'mydb'. product' (
    id INT NOT NULL,
        name VARCHAR(45) NOT NULL,
     description TEXT NOT NULL,
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__ ______

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price DECIMAL NOT NULL,
        available TINYINT NOT NULL,
        categoryid INT NULL,
        created time TIMESTAMP NULL DEFAULT CURRENT TIMESTAMP,
       modified time TIMESTAMP NULL, deleted time TIMESTAMP NULL,
PRIMARY KEY ('id'),

151 PRIMARY KEY ('id'),

152 INDEX fk product cateid idx ('categoryid' ASC) VISIBLE,

153 CONSTRAINT fk product cateid

154 FOREIGN KEY ('categoryid')

155 REFERENCES 'mydb'. 'category' ('id')
        REFERENCES mydb . category
ON DELETE NO ACTION
         ON UPDATE NO ACTION)
     ENGINE = InnoDB;
     -- Table `mydb`.`management`
     __ _____
     DROP TABLE IF EXISTS 'mydb'. 'management';
     CREATE TABLE IF NOT EXISTS 'mydb'.'management' (
        id INT NOT NULL AUTO
        contact_person VARCHAR(45) NULL, company name VARCHAR(45) NOT NULL,
        contact number VARCHAR (45) NULL,
        contact email VARCHAR(45) NULL,
        created time TIMESTAMP NULL DEFAULT CURRENT TIMESTAMP,
       modified time TIMESTAMP NULL,
       'deleted time' TIMESTAMP NULL,
     PRIMARY KEY ('id'));
     __ _____
     -- Table `mydb`.`inventory`
     DROP TABLE IF EXISTS 'mydb'. inventory
    CREATE TABLE IF NOT EXISTS 'mydb'. inventory
      id INT NOT NULL AUTO INCREMENT,
         id_address` INT NULL,
                        INT NULL,
         created_time TIMESTAMP NULL DEFAULT CURRENT TIMESTAMP,
        modified time TIMESTAMP NULL, deleted time TIMESTAMP NULL,
                         TIMESTAMP NULL,
     PRIMARY KEY ( 14 ),

INDEX fk inv addr idx' ( id address' ASC) VISIBLE,

INDEX fk inv man idx' ( id management ASC) VISIBLE,

CONSTRAINT fk inv addr

FOREIGN KEY ( id address')

REFERENCES mydb . address' ( id')
       PRIMARY KEY ('id'),
       ON DELETE NO ACTION
       ON UPDATE NO ACTION,
     CONSTRAINT
       FOREIGN KEY ('id management')
        REFERENCES `mydb`.`management` (`id`)
        ON DELETE NO ACTION
        ON UPDATE NO ACTION);
     __ ______
     -- Table `mydb`.`product_inventory`
     _
     DROP TABLE IF EXISTS 'mydb'. 'product inventory';
210 CREATE TABLE IF NOT EXISTS 'mydb'. product inventory' (
    id INT NOT NULL AUTO_INCREMENT,
        id product INT NOT NULL, id inventory INT NULL,
        quantity INT NOT NULL,
        created_time  TIMESTAMP NULL DEFAULT CURRENT_TIMESTAMP,
modified_time  TIMESTAMP NULL,
        modified time TIMESTAMP NULL deleted time TIMESTAMP NULL,
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PRIMARY KEY ( id ),
        UNIQUE INDEX 'id UNIQUE' ('id' ASC) VISIBLE,
    UNIQUE INDEX id UNIQUE ( id ASC) VISIBLE,
INDEX fk proding prodid idx ( id product ASC) VISIBLE,
INDEX fk proding invid idx ( id inventory ASC) VISIBLE,
CONSTRAINT fk proding product ( id inventory ASC) VISIBLE,
CONSTRAINT fk product ( id i)
ON DELETE NO ACTION,
CONSTRAINT fk proding invid
FOREIGN KEY ( id inventory )
REFERENCES mydb . inventory ( id )
ON DELETE NO ACTION
ON UPDATE NO ACTION :
          ON UPDATE NO ACTION);
     -- Table `mydb`.`inventory_management`
     __ ______
     DROP TABLE IF EXISTS 'mydb'.'inventory management';
     CREATE TABLE IF NOT EXISTS 'mydb'. inventory management' (
         id' INT NOT NULL AUTO INCREMENT,
         inventory id INT NOT NULL,
         management_id INT NOT NULL, associated cost DECIMAL NOT NULL,
        created time TIMESTAMP NULL DEFAULT CURRENT TIMESTAMP,
        modified time TIMESTAMP NULL,
        'deleted time' TIMESTAMP NULL,
PRIMARY KEY ('id'),

UNIQUE INDEX 'inventory id_UNIQUE' ('inventory id' ASC) VISIBLE,

INDEX fk_inventman_man_idx ('management_id' ASC) VISIBLE,
250 CONSTRAINT fk inventman inv
       FOREIGN KEY ('inventory id')
        REFERENCES `mydb`. inventory` (`id`)
     ON DELETE NO ACTION ON UPDATE NO ACTION,
    CONSTRAINT fk_inventman_man
      FOREIGN KEY ( management_id )
        REFERENCES mydb . management ('id')
ON DELETE NO ACTION
          ON UPDATE NO ACTION);
      -- Table `mydb`.`discount`
      __ ______
     DROP TABLE IF EXISTS 'mydb'. 'discount
     CREATE TABLE IF NOT EXISTS 'mydb'.
       id INT NOT NULL AUTO INCREMEN
        discount method VARCHAR(45) NOT NULL, discount amount DECIMAL NULL,
        discount percentage DECIMAL NULL,
        created time TIMESTAMP NULL DEFAULT CURRENT TIMESTAMP,
        'modified time' TIMESTAMP NULL,
        'deleted time' TIMESTAMP NULL,
      PRIMARY KEY ('id'));
      __ ______
     -- Table `mydb`.`cart`
     __ ______
     DROP TABLE IF EXISTS 'mydb'. cart';
     CREATE TABLE IF NOT EXISTS 'mydb'. cart' (
     id INT NOT NULL AUTO_INCREMENT,
         userid` INT NOT NULL,
         total DECIMAL NOT NULL,
       created_time TIMESTAMP NULL DEFAULT CURRENT_TIMESTAMP,
modified_time TIMESTAMP NULL,
deleted_time TIMESTAMP NULL,
     PRIMARY KEY ( id ),
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INDEX fk cart_uid_idx ('userid ASC) VISIBLE,
CONSTRAINT fk_cart_uid
   FOREIGN KEY ('userid')
    REFERENCES mydb . user (id)
    ON DELETE NO ACTIO
    ON UPDATE NO ACTION);
 __ ______
 -- Table `mydb`.`cart_product`
 DROP TABLE IF EXISTS 'mydb'.'cart product';
 CREATE TABLE IF NOT EXISTS 'mydb'. cart product' (
     id INT NOT NULL AUTO_INCREMENT,
    product_id INT NOT NULL, cartid INT NOT NULL,
    modified time TIMESTAMP NULL,
   deleted time TIMESTAMP NULL,
   PRIMARY KEY (`id`),
 INDEX fk_cartprod_prodid_idx' ('product_id' ASC) VISIBLE,
INDEX fk_cartprod_cartid_idx' ('cartid' ASC) VISIBLE,
CONSTRAINT fk_cartprod_prodid
FOREIGN KEY ( product id )

REFERENCES mydb . product ( id )

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT fk cartprod cartid

FOREIGN KEY ( action)
  FOREIGN KEY ( cartid )
    REFERENCES `mydb`.`cart
    ON DELETE NO ACTION
     ON UPDATE NO ACTION);
 __ ______
 -- Table `mydb`.`order`
 -- -----
 DROP TABLE IF EXISTS 'mydb'. order
 CREATE TABLE IF NOT EXISTS 'mydb'. order (
    'id' INT NOT NULL AUTO INCREMENT,
    userid INT NOT NULL,
amount due DECIMAL NOT NULL,
amount paid DECIMAL NOT NULL,
shipto useraddressid INT NOT NULL,
paymentid INT NOT NULL,
     created time TIMESTAMP NULL DEFAULT CURRENT TIMESTAMP,
    modified time TIMESTAMP NULL, deleted time TIMESTAMP NULL,
   PRIMARY KEY ('id'),
  INDEX fk_order_useraddrid_idx ('shipto useraddressid ASC) VISIBLE,
INDEX fk_order_userid_idx ('userid ASC) VISIBLE,
INDEX fk_order_paymentid_idx ('paymentid ASC, userid ASC) VISIBLE,
CONSTRAINT fk_order_userid
   FOREIGN KEY (`userid`)
    REFERENCES mydb . user ('id')
  ON DELETE NO ACTION ON UPDATE NO ACTION,
  CONSTRAINT `fk order useraddrid`
  FOREIGN KEY ( shipto useraddressid )
    REFERENCES `mydb`. 'user_address' ('id')
 ON DELETE NO ACTION,
  CONSTRAINT 'fk order paymentid
 FOREIGN KEY ('paymentid', 'userid')
    REFERENCES mydb . user_payment ('id', 'idUser')
ON DELETE NO ACTION
    ON UPDATE NO ACTION);
```

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-- Table `mydb`.`order_items`
DROP TABLE IF EXISTS 'mydb'. order items
CREATE TABLE IF NOT EXISTS 'mydb'. order items' (
'id' INT NOT NULL AUTO_INCREMENT,
    productid INT NOT NULL,
   quantity INT NOT NULL DEFAULT 1,
   discountid INT NULL DEFAULT -1,
   orderid INT NOT NULL,
   created_time TIMESTAMP NULL DEFAULT CURRENT_TIMESTAMP,
modified time TIMESTAMP NULL,
  modified time TIMESTAMP NULL deleted time TIMESTAMP NULL,
PRIMARY KEY ( id ),
INDEX fk orderitem prodid idx ( productid ASC) VISIBLE,
INDEX fk orderitem discountid idx ( 'discountid ASC) VISIBLE,
INDEX fk orderitem orderid idx ( orderid ASC) VISIBLE,
CONSTRAINT fk orderitem prodid
FOREIGN KEY ( productid )
REFERENCES mydb . product ( id )
 ON DELETE NO ACTION
ON UPDATE NO ACTION,
 CONSTRAINT `fk orderitem discountid
  FOREIGN KEY ('discountid')
REFERENCES mydb'. discount' ('id')
 ON DELETE NO ACTION ON UPDATE NO ACTION,
 CONSTRAINT `fk orderitem
 FOREIGN KEY (`orderid`)
   REFERENCES mydb . order (id)
   ON DELETE NO ACTION
   ON UPDATE NO ACTION);
__ _____
-- Table `mydb`.`category_subcategories`
______
DROP TABLE IF EXISTS 'mydb'. category subcategories
CREATE TABLE IF NOT EXISTS mydb . category_subcategories id INT NOT NULL AUTO_INCREMENT,
    category id INT NOT NULL, child id INT NOT NULL,
  PRIMARY KEY ('id'),
          `fk_categoryhier_cateid_idx` ('category_id
`fk categoryhier_childid_idx` ('child_id' Z
AINT `fk_categoryhier_cateid'
  INDEX
                                         (`child id` ASC) VISIBLE,
  INDEX
  CONSTRAINT
   FOREIGN KEY (`category id`)
  REFERENCES mydb . category
ON DELETE NO ACTION
ON UPDATE NO ACTION,
 CONSTRAINT 'fk categoryhier childid
  FOREIGN KEY ('child id')
   REFERENCES 'mydb'. category' ('id')
   ON DELETE NO ACTION
   ON UPDATE NO ACTION);
__ ______
-- Table `mydb`.`tag`
DROP TABLE IF EXISTS 'mydb'. tag
CREATE TABLE IF NOT EXISTS 'mydb'. 'tag' (
id INT NOT NULL AUTO_INCREMENT,
    name VARCHAR (45) NOT NULL,
  desc VARCHAR(45) NULL,
 PRIMARY KEY (`id`));
-- Table `mydb`.`keyword`
__ ______
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CREATE TABLE IF NOT EXISTS 'mydb'. keyword' (
   id INT NOT NULL AUTO_INCREMENT,
       keyword VARCHAR (45) NOT NULL,
    desc VARCHAR(45) NULL,
     PRIMARY KEY ('id'))
    ENGINE = InnoDB;
    -- Table `mydb`.`tag_keyword`
    DROP TABLE IF EXISTS 'mydb'.'tag_keyword';
    CREATE TABLE IF NOT EXISTS 'mydb'. 'tag
       ldtag_keyword INT NOT NULL AUTO_INCREMENT,
tagid INT NOT NULL,
      keywordid INT NOT NULL,
ON DELETE NO ACTION ON UPDATE NO ACTION)
    ENGINE = InnoDB;
    __ _____
    -- Table `mydb`.`product_tag`
    DROP TABLE IF EXISTS 'mydb'. product tag
    CREATE TABLE IF NOT EXISTS 'mydb'. product_tag
     'id' INT NOT NULL AUTO INCREMENT,
      productid INT NOT NULL,
            INT NOT NULL,
      PRIMARY KEY ('id'),
    INDEX fk prodtag prodid idx ('productid ASC) VISIBLE,
INDEX fk prodtag tagid idx ('tagid ASC) VISIBLE,
CONSTRAINT fk prodtag prodid
FOREIGN KEY ('productid')
      REFERENCES 'mydb'. product
    ON DELETE NO ACTION ON UPDATE NO ACTION,
    CONSTRAINT `fk prodtac
     FOREIGN KEY ( tagid )
      REFERENCES `mydb`. `tag
     ON DELETE NO ACTION
      ON UPDATE NO ACTION)
    ENGINE = InnoDB;
    __ ______
    -- Table `mydb`.`shipment`
    DROP TABLE IF EXISTS 'mydb'. 'shipment';
    CREATE TABLE IF NOT EXISTS 'mydb'. shipment' (
    id INT NOT NULL AUTO_INCREMENT,
       orderid INT NOT NULL,
       from inventoryid INT NOT NULL, to usraddressid INT NOT NULL,
    logistics_provider VARCHAR(45) NULL,
    PRIMARY KEY ( id ),
      INDEX 'fk ship ordered idx' ('ordered' ASC) VISIBLE,
```

DROP TABLE IF EXISTS `mydb`. `keyword`;

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INDEX 'fk ship frominvid idx' ('from inventoryid' ASC) VISIBLE,
  INDEX fk ship tousraddrid idx' ('to usraddressid' ASC) VISIBLE, CONSTRAINT fk ship orderid'
  FOREIGN KEY ( orderid )
  REFERENCES mydb . order ( id )
ON DELETE NO ACTION
ON UPDATE NO ACTION,
CONSTRAINT Exchip frominvid

FOREIGN KEY ( from inventoryid )

REFERENCES mydb . inventory ( id )

ON DELETE NO ACTION
ON UPDATE NO ACTION,
 CONSTRAINT fk ship tousraddrid

FOREIGN KEY ('to usraddressid')

REFERENCES mydb . user address ('id')

ON DELETE NO ACTION
    ON UPDATE NO ACTION)
ENGINE = InnoDB;
-- Table `mydb`.`order shipment`
DROP TABLE IF EXISTS 'mydb'. order shipment';
CREATE TABLE IF NOT EXISTS 'mydb'. order shipment' (
 'id' INT NOT NULL AUTO INCREMENT,
    orderid INT NOT NULL,
   `shipmentid` INT NOT NULL,
  PRIMARY KEY ('id'),
  UNIQUE INDEX 'shipmentid UNIQUE' ('shipmentid' ASC) VISIBLE,
INDEX 'fk ordership_orderid_idx' ('orderid' ASC) VISIBLE, CONSTRAINT 'fk_ordership_orderid
 FOREIGN KEY ( orderid )
REFERENCES mydb . order ( id )
ON DELETE NO ACTION
ON UPDATE NO ACTION,
CONSTRAINT fk ordership shipid
 FOREIGN KEY ('shipmentid')
 REFERENCES 'mydb . shipment' ('id')
ON DELETE NO ACTION
    ON UPDATE NO ACTION)
ENGINE = InnoDB;
SET SQL MODE=@OLD SQL MODE;
SET FOREIGN_KEY_CHECKS=@OLD_FOREIGN_KEY_CHECKS;
SET UNIQUE_CHECKS=@OLD_UNIQUE_CHECKS;
```