

-- create tables and primary keys

```
CREATE TABLE Media (  
    id INT NOT NULL,  
    title VARCHAR(45),  
    categoryType VARCHAR(50),  
    value INT,  
    price INT,  
    quantity INT,  
    imageURL VARCHAR(100)  
);  
ALTER TABLE Media  
ADD CONSTRAINT PK_Media PRIMARY KEY (id);
```

```
CREATE TABLE ShippingMethod (  
    id INT NOT NULL,  
    name VARCHAR(50),  
    description VARCHAR(100)  
);  
ALTER TABLE ShippingMethod  
ADD CONSTRAINT PK_ShippingMethod PRIMARY KEY (id);
```

```
CREATE TABLE MediaShippingMethod (  
    id INT NOT NULL,  
    media_id INT NOT NULL,  
    shippingMethod_id INT NOT NULL  
);  
ALTER TABLE MediaShippingMethod  
ADD CONSTRAINT PK_MediaShippingMethod PRIMARY KEY (id);
```

```
CREATE TABLE DeliveryAddress (  
    id INT NOT NULL,  
    name VARCHAR(100),  
    phone INT,  
    province VARCHAR(20),  
    address VARCHAR(100),  
    instruction VARCHAR(200)  
);  
ALTER TABLE DeliveryAddress  
ADD CONSTRAINT PK_DeliveryAddress PRIMARY KEY (id);
```

```
CREATE TABLE Order (  
    id INT NOT NULL,  
    shippingFees INT,  
    deliveryAddress_id INT NOT NULL  
);  
ALTER TABLE Order  
ADD CONSTRAINT PK_Order PRIMARY KEY (id);
```

```
CREATE TABLE OrderMedia (  
    id INT NOT NULL,  
    media_id INT NOT NULL,
```

```

    price INT,
    quantity INT,
    order_id INT NOT NULL
);
ALTER TABLE OrderMedia
ADD CONSTRAINT PK_OrderMedia PRIMARY KEY (id);

CREATE TABLE ShippingInfo (
    id INT NOT NULL,
    orderMedia_id INT NOT NULL,
    shippingMethod_id INT NOT NULL,
    shippingFee INT
);
ALTER TABLE shippingInfo
ADD CONSTRAINT PK_shippingInfo PRIMARY KEY (id);

CREATE TABLE RushOrder (
    id INT NOT NULL,
    shippingInfo_id INT NOT NULL,
    shippingMethod_id INT NOT NULL,
    instruction VARCHAR(200),
    deliveryTime DATETIME
)
ALTER TABLE RushOrder
ADD CONSTRAINT PK_RushOrder PRIMARY KEY (id);

CREATE TABLE PaymentTransaction (
    id INT NOT NULL,
    method VARCHAR(20),
    bankName VARCHAR(45),
    content VARCHAR(100),
    time DATETIME,
    status VARCHAR(50)
);
ALTER TABLE PaymentTransaction
ADD CONSTRAINT PK_PaymentTransaction PRIMARY KEY (id);

CREATE TABLE Invoice (
    id INT NOT NULL,
    totalAmount INT,
    order_id INT NOT NULL,
    vat INT,
    paymentTransaction_id INT
);
ALTER TABLE Invoice
ADD CONSTRAINT PK_Invoice PRIMARY KEY (id);

-- create foregin keys
ALTER TABLE MediaShippingMethod
ADD CONSTRAINT FK_MediaShippingMethod_0 FOREIGN KEY (media_id)
REFERENCES Media (id);

```

```
ALTER TABLE MediaShippingMethod
ADD CONSTRAINT FK_MediaShippingMethod_1 FOREIGN KEY (shippingMethod_id)
REFERENCES ShippingMethod (id);
```

```
ALTER TABLE Order
ADD CONSTRAINT FK_Order_0 FOREIGN KEY (deliveryAddress_id) REFERENCES
DeliveryAddress (id);
```

```
ALTER TABLE OrderMedia
ADD CONSTRAINT FK_OrderMedia_0 FOREIGN KEY (media_id) REFERENCES
Media (id);
```

```
ALTER TABLE OrderMedia
ADD CONSTRAINT FK_OrderMedia_1 FOREIGN KEY (order_id) REFERENCES
Order (id);
```

```
ALTER TABLE ShippingInfo
ADD CONSTRAINT FK_ShippingInfo_0 FOREIGN KEY (orderMedia_id)
REFERENCES OrderMedia (id);
```

```
ALTER TABLE ShippingInfo
ADD CONSTRAINT FK_ShippingInfo_1 FOREIGN KEY (shippingMethod_id)
REFERENCES ShippingMethod (id);
```

```
ALTER TABLE RushOrder
ADD CONSTRAINT FK_RushOrder_0 FOREIGN KEY (shippingInfo_id) REFERENCES
ShippingInfo (id);
```

```
ALTER TABLE RushOrder

ADD CONSTRAINT FK_RushOrder_1 FOREIGN KEY (shippingMethod_id)
REFERENCES ShippingMethod (id);
ALTER TABLE Invoice
ADD CONSTRAINT FK_Invoice_0 FOREIGN KEY (order_id) REFERENCES Order (id);
```

```
ALTER TABLE Invoice
ADD CONSTRAINT FK_Invoice_1 FOREIGN KEY (paymentTransaction_id)
REFERENCES PaymentTransaction (id);
```