

--creating the tables

```
CREATE TABLE a_invoices (invoice_id    NUMBER(4) PRIMARY KEY,
                           price        NUMBER(5),
                           value_without_vat NUMBER(5),
                           vat          NUMBER(7,2),
                           total        NUMBER(7,2) NOT NULL,
                           month_id     NUMBER(6) NOT NULL);
```

```
CREATE TABLE a_clients (client_id NUMBER(4) PRIMARY KEY,
                          name      VARCHAR2(30) NOT NULL,
                          city      VARCHAR2(30),
                          phone_no  VARCHAR2(10));
```

```
CREATE TABLE a_products (product_id NUMBER(4) PRIMARY KEY,
                           name       VARCHAR(30),
                           unit       VARCHAR(10));
```

```
CREATE TABLE a_materials (material_id NUMBER(4) PRIMARY KEY,
                             type       VARCHAR2(12),
                             name       VARCHAR2(30),
                             unit       VARCHAR2(12));
```

```
CREATE TABLE a_orders (order_id NUMBER(4) PRIMARY KEY,
                        invoice_id NUMBER(4),
                        client_id  NUMBER(4),
                        product_id NUMBER(4),
                        quantity   NUMBER(2),
                        month_id   NUMBER(6),
                        CONSTRAINT invoice_id_fk FOREIGN KEY (invoice_id)
REFERENCES a_invoices(invoice_id),
                        CONSTRAINT client_id_fk FOREIGN KEY (client_id)
REFERENCES a_clients(client_id),
                        CONSTRAINT product_id_fk FOREIGN KEY
(product_id) REFERENCES a_products(product_id));
```

```
CREATE TABLE a_materials_use (order_id  NUMBER(4),
                               material_id NUMBER(4),
                               quantity  NUMBER(2),
                               price     NUMBER(5),
                               value     NUMBER(5),
                               CONSTRAINT order_id_fk FOREIGN KEY
(order_id) REFERENCES a_orders(order_id),
```

```
CONSTRAINT material_id_fk FOREIGN KEY  
(material_id) REFERENCES a_materials(material_id);
```