|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| tblClient | | | | | | |
| Field name | Data Type | Field Size | Format | Key type | Index | Required |
| cid | smallInt | 8 | Autonumber | Primary | Yes (no duplicates ) | Yes |
| Forename | Varchar | 25 |  |  |  | Yes |
| Surname | Varchar | 25 |  |  | Yes (duplicates ok) | Yes |
| Address 1 | Varchar | 40 |  |  |  | Yes |
| Address 2 | Varchar | 40 |  |  |  | No |
| Town | Varchar | 15 |  |  |  | Yes |
| Postcode | Varchar | 10 | aaddddaa |  |  | Yes |
| E-mail | Varchar | 30 | aaddddaa |  |  | Yes |
| Phone | varchar | 15 |  |  |  | No |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| tblProduct | | | | | | |
| Field name | Data Type | Field Size | Format | Key type | Index | Required |
| pid | smallInt | 8 | Autonumber | Primary | Yes (no duplicates ) | Yes |
| Description | Varchar | 25 |  |  |  | Yes |
| saleCost | Decimal |  | 3,2 |  |  | Yes |
| quantityRemaining | inteager | 5 |  |  |  | Yes |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| tblOrder | | | | | | |
| Field name | Data Type | Field Size | Format | Key type | Index | Required |
| oid | smallInt | 8 | Autonumber | Primary | Yes (no duplicates ) | Yes |
| cid | smallInt | 8 |  | Foreign | Yes (no duplicates) | Yes |
| dateOrdered | Date |  |  |  |  | Yes |
| dateShipped | Date |  |  |  |  | Yes |
| paymentMethod | Varchar | 20 |  |  |  | Yes |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| tblProductOnOrder | | | | | | |
| Field name | Data Type | Field Size | Format | Key type | Index | Required |
| oid | smallInt | 8 | Autonumber | foreign | Yes (no duplicates ) | Yes |
| Pid | smallInt | 8 |  | Foreign | Yes (no duplicates) | Yes |
| quantityOrdered | SmallInt | 5 |  |  |  | Yes |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| tblSupplier | | | | | | |
| Field name | Data Type | Field Size | Format | Key type | Index | Required |
| sid | smallInt | 8 | Autonumber | Primary | Yes (no duplicates ) | Yes |
| name | Varchar | 25 |  |  | Yes (duplicates ok) | Yes |
| Address 1 | Varchar | 40 |  |  |  | Yes |
| Address 2 | Varchar | 40 |  |  |  | No |
| Town/City | Varchar | 15 |  |  |  | Yes |
| Postcode | Varchar | 10 | aaddddaa |  |  | Yes |
| E-mail | Varchar | 30 | aaddddaa |  |  | Yes |
| Phone | Text | 15 |  |  |  | No |
| creditAmount | SmallInt | 4 |  |  |  | Yes |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| tblSupplierOfProduct | | | | | | |
| Field name | Data Type | Field Size | Format | Key type | Index | Required |
| sid | smallInt | 8 | Autonumber | Foreign | Yes (no duplicates ) | Yes |
| pid | smallInt | 8 |  | Foreign | Yes (no duplicates) | Yes |
| unitCost | currency |  |  |  |  | Yes |
| dateSupplied | Date |  |  |  |  | Yes |
| quantitySupplied | Varchar | 5 |  |  |  | Yes |

CREATE DATABASE BUSINESS;

SHOW DATABASE;

USE BUSINESS;

CREATE TABLE tblClient (

cid integer auto\_increment,  
forename varchar(25),  
surname varchar(30) not null unique,  
address1 varchar(30) not null,  
address2 varchar(30) not null,  
town varchar(15) not null,  
postcode varchar(10) not null,  
e-mail varchar(30) not null  
phone varchar(15),

primary key(cid)

);

CREATE TABLE tblProduct (

pid integer auto\_increment,  
description varchar(25) not null,  
saleCost decimal(3,2) not null,  
quantityRemaining integer(5) not null,

primary key (pid)

);

CREATE TABLE tblOrder (

oid integer auto\_increment,  
cid integer not null,  
dateOrdered date not null,  
dateShipped date not null,  
paymentMethod varchar(20) not null,

primary key (oid),  
foreign key (cid) references tblClient(cid)

);

CREATE TABLE tblProductOnOrder (

oid integer auto\_increment,  
pid integer not null,  
quantityOrdered integer not null,

foreign key (oid) references tblOrder(oid),  
foreign key (pid) references tblProduct(pid),

);

CREATE TABLE tblSupplier (

sid integer auto\_increment,  
name varchar(25) not null,  
address1 varchar(40) not null,  
address2 varchar(40) not null,  
town varchar(15) not null,  
postcode varchar(10) not null,  
e-mail varchar(30) not null,  
phone varchar(15) not null,  
creditAmount integer not null,

primary key (sid),

);

CREATE TABLE tblSupplierOfProduct (

sid integer auto\_increment,  
pid integer not null,  
unitCost currency not null,  
dateSupplied date not null,  
quantitySupplied varchar(5) not null,

foreign key (sid) references tblSupplier (sid),  
foreign key (pid) references tblProduct (pid),

);