**Creating Tables**

CREATE TABLE Author(

AuthorID SMALLINT NOT NULL,

Forename CHAR(30),

Surname CHAR(30),

PRIMARY KEY(AuthorID)

)

CREATE TABLE Member(

MemberID SMALLINT NOT NULL,

Forename CHAR(30),

Surname CHAR(30),

Address VARCHAR(50),

Telephone TEXT,

PRIMARY KEY(MemberID)

)

CREATE TABLE Book(

BookID SMALLINT NOT NULL,

Title CHAR(30),

ISBN INT(13),

Published DATE,

Price INT(6),

AuthorID SMALLINT NOT NULL,

PRIMARY KEY(BookID),

FOREIGN KEY(AuthorID) REFERENCES Author(AuthorID)

FOREIGN KEY(PublisherID) REFERENCES Publisher(PublisherID)

)

CREATE TABLE Loan(

LoanID SMALLINT NOT NULL,

MemberID SMALLINT NOT NULL,

BookID SMALLINT NOT NULL,

LoanFrom DATE,

DueDate DATE,

FOREIGN KEY (MemberID) REFERENCES Member(MemberID),

FOREIGN KEY (BookID) REFERENCES Book(BookID),

PRIMARY KEY (LoanID)

)

CREATE TABLE publisher (

PublisherID SMALLINT NOT NULL,

PublisherName CHAR (30),

PRIMARY KEY (PublisherID)

)