# Reading Rainbow Database and Table Creation

CREATE DATABASE Reading\_Rainbow\_Bookstore;

USE Reading\_Rainbow\_Bookstore;

Create Table Branch (

BRANCH\_NUM Int Primary Key,

BRANCH\_NAME Varchar(50),

BRANCH\_LOCATION Varchar(100),

NUM\_EMPLOYEES Int

);

Create Table Publisher (

PUB\_CODE Varchar(10) Primary Key,

PUB\_NAME Varchar(50),

PUB\_CITY Varchar(50)

);

Create Table Book (

BOOK\_CODE Varchar(10) PRIMARY KEY,

TITLE Varchar(100),

PUB\_CODE Varchar(10) Foreign Key References Publisher(PUB\_CODE),

BOOK\_GENRE Varchar(10),

PRICE Decimal(10, 2),

PAPERBACK Varchar(3)

);

Create Table Author (

AUTHOR\_NUM Int PRIMARY KEY,

LAST\_NAME Varchar(50),

FIRST\_NAME Varchar(50)

);

CREATE TABLE Wrote (

BOOK\_CODE VARCHAR(10) NOT NULL,

AUTHOR\_NUM INT NOT NULL,

SEQUENCE INT NOT NULL,

PRIMARY KEY (BOOK\_CODE, AUTHOR\_NUM),

FOREIGN KEY (BOOK\_CODE) REFERENCES Book(BOOK\_CODE),

FOREIGN KEY (AUTHOR\_NUM) REFERENCES Author(AUTHOR\_NUM)

);

Create Table Inventory (

BOOK\_CODE Varchar(10) Foreign Key References Book(BOOK\_CODE),

BRANCH\_NUM INT Foreign Key References Branch(BRANCH\_NUM),

ON\_HAND Int,

Primary Key (BOOK\_CODE, BRANCH\_NUM)

);

Create Table Sales (

SALE\_ID Int Primary Key,

BRANCH\_NUM Int Foreign Key References Branch(BRANCH\_NUM),

BOOK\_CODE Varchar(10) Foreign Key References Book(BOOK\_CODE),

SALE\_DATE Date,

SALE\_PRICE Decimal(10, 2)

);

Create Table Branch\_Expansion (

BRANCH\_NUM Int Primary Key,

BRANCH\_NAME Varchar(50),

BRANCH\_LOCATION Varchar(100),

NUM\_EMPLOYEES Int

);

Create Table Branch\_Employees (

EMPLOYEE\_ID Int Primary Key,

LAST\_NAME Varchar(50),

FIRST\_NAME Varchar(50),

JOB\_CODE Varchar(10),

JOB\_TYPE Varchar(10),

HOURLY\_WAGE Decimal(10, 2),

BRANCH\_NUM Int Foreign Key References Branch(BRANCH\_NUM)

);