You are developing a database for a Book Store to open next Monday on Grafton Street.

1. DECIDE HOW MANY TABLES?
2. WITHIN EACH TABLE DECIDE HOW MANY FIELDS YOU NEED?
3. WHAT DATATYPE WOULD EACH FIELD BE?
4. WITHIN EACH TABLE DECIDE WHAT IS THE BEST PRIMARY KEY
5. WITHIN EACH TABLE DECIDE WHAT IS THE FOREIGN KEY
6. DRAW A LINE THAT SHOWS THE RELATIONSHIP BETWEEN THE TABLES

We will need 7 tables, as follows:

1. Authors
   * Author ID primary key integer
   * FirstName text
   * LastName text
2. Publishers
   * Publisher ID primary key integer
   * Name text
   * Phone integer
   * Email text
3. Books
   * Book ID primary key integer
   * Title text
   * Author ID integer
   * Publisher ID foreign key integer
   * Price **(integer/decimal with 2 decimal places?)**
4. Customers
   * Customer ID primary key integer
   * FirstName text
   * LastName text
   * Last order ID foreign key integer
   * Email text
   * Phone integer
   * Eircode text
5. Orders Customers
   * Order ID primary key integer
   * Customer ID foreign key integer
   * Order Date integer
   * Price **(integer/decimal with 2 decimal places?)**
6. Order Suppliers
   * Order Item ID primary key integer
   * Order ID foreign key integer
   * Book ID integer
   * Quantity integer
   * Price **(integer/decimal with 2 decimal places?)**
7. Stock
   * Stock ID primary key integer
   * Book ID foreign key integer
   * In stock integer
   * To be ordered integer
   * Reserved integer

|  |  |
| --- | --- |
| **Authors** | |
| **Field name** | **Type** |
| AuthorID | Primary |
| FirstName |  |
| LastName |  |
|  |  |
|  |  |
|  |  |

|  |  |
| --- | --- |
| **Publishers** | |
| **Field name** | **Type** |
| PublisherID | primary key |
| Name |  |
| Phone |  |
| Email |  |

|  |  |
| --- | --- |
| **Books** | |
| **Field Name** | **Type** |
| BookID | primary key |
| Title |  |
| AuthorID |  |
| PublisherID | foreign key |
| Price |  |

|  |  |
| --- | --- |
| **Customers** | |
| **Field name** | **Type** |
| CustomerID | primary key |
| FirstName |  |
| LastName |  |
| LastOrderID | foreign key |
| Email |  |
| Phone |  |
| Eircode |  |

|  |  |
| --- | --- |
| **Orders** | |
| **Field name** | **Type** |
| OrderID | primary key |
| CustomerID | foreign key |
| OrderDate |  |
| UnitPrice |  |

|  |  |
| --- | --- |
| **OrderItems** | |
| **Field name** | **Type** |
| OrderItemID | primary key |
| OrderID | foreign key |
| BookID |  |
| Quantity |  |
| UnitPrice |  |

|  |  |
| --- | --- |
| **Stock** | |
| **Field name** | **Type** |
| StockID | primary key |
| BookID | foreign key |
| InStock |  |
| ToBeOrdered |  |
| Reserved |  |