

# C1- S2-PRACTICE

## Exercise 1 - BOOK AND AUTHORS

**Q1** Complete the data types of the attributes of the **book** entity

BOOK	
Book ID	Numeric
Title	String
Publish date	DateTime
Language	String

**Q2** From the **Author** table below, design the **Author schema**

Author ID	Name	Date of birth	Country
001	Dr.Seuss	3/2/1904	USA
002	J.K.Rowling	8/31/1965	UK
003	Ronal Dahl	10/13/1916	UK

**Q3** By looking on the internet, complete the Book table with at least 3 examples (there are different answers possible)

Book ID	Title	Publish Date	Language
001	The cat in the hat	3/12/1957	English
002	Harry potter	7/26/1997	English
003	Matilda	11/1/1988	English

**Q4** Complete the Author table with the information of the authors of the book you find on the internet

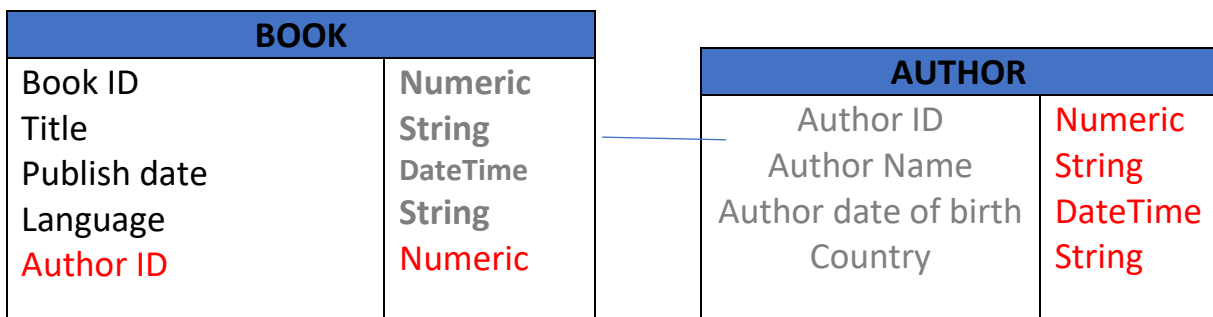
Author ID	Name	Date of birth	Country
001	Dr.Seuss	3/2/1904	USA
002	J.K.Rowling	7/26/1997	UK
003	Ronal Dahl	10/13/1916	UK

**Q5** Update the Book table by adding a column to put the relation between the Book table and the Author table.

*Note: Books are written by 1 author only*

Book ID	Title	Publish Date	Language	Author
001	One Fish Two Fish	3/12/1960	English	Dr.Seuss
002	Green Eggs and Ham	9/12/1960	English	Dr.Seuss
003	The Lorax	7/23/1970	English	Dr.Seuss

**Q6** Update the Books and Author entities and their relationship



## Exercise 2 - Movies

*Note: Movies are directed by 1 director only*

**Q1** Complete the data types of the attributes of the **movie** entity

MOVIE	
Movie ID	Numeric
Title	String
Release Year	Numeric
Movie Duration	String

**Q2** From the **Director** table below, design the **Director** entity

Director ID	Name	Date of birth	Country
Numeric	String	DateTime	String
Numeric	String	DateTime	String
Numeric	String	DateTime	String

**Q3** By looking on the internet, complete the Movie table with at least 3 examples (there are different answers possible)

Movie ID	Title	Release Date	Movie Duration
001	Transformers	2007	2h 24mn
002	The family plan	2023	1h 59mn
003	oppenheimer	2023	3h

**Q4** Complete the Authors table with the information of the authors of the book you find on the internet

Director ID	Name	Date of birth	Country
001	Steven Caple jr.	2/16/1988	USA
002	Simon Cellan Jones	1/1/1963	UK
003	Christoper Nolan	8/30/1970	England

**Q5** Update the Movie table by adding a column to put the relation between the Movie table and the Director table.

Movie ID	Title	Release Date	Movie Duration	Director
001	Edge of the darkness	1/29/2019	1h 57mn	Simon Cellan Jones
002	Our friend in the north	1/15/1996	1h 14m	Simon Cellan Jones
003	The family plan	12/15/2023	1h 59mn	Simon Cellan Jones

**Q6** Update the Movie and Director entities and their relationship

MOVIE	
Movie ID	Numeric
Title	String
Release date	DateTime
Movie Duration	String
Director ID	Numeric

DIRECTOR	
Director ID	Numeric
Director Name	String
Director's Date of birth	DateTime
Country	String

