# C1- S2-PRACTICE

# **Exercise 1 - BOOK AND AUTHORS**

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

|  |  |
| --- | --- |
| **BOOK** | |
| Book ID  Title  Publish date  Language | **Numeric**  **String**  **Timeline**  **String** |

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Author ID** | **Name** | **Date of birth** | **Country** |
| 1 | Rady | 1 / 2 / 1999 | String |
| 2 | Yon | 1 / 2 / 1999 | String |
| 3 | Him | 1 / 2 / 1999 | String |

**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** |
| **B-01** | **Tiger on the mountain** | **January /1/ 1960** | **English** |
| **B-02** | **How to win friend and influence people** | **October /1936** | **English** |
| **B-03** | **Five Languages of Love** | **1992** | **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** |
| **A-1** | **Gray Chapman** | **January/ 10/ 1938** | **American** |
| **A-2** | **Dale Carnegie** | **24/ November /1888** | **American** |
| **A-3** | **Shirley L.Arora** | **3/June/1930** | **Spanish** |

**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 ID** |
| **B-04** | **The art of Public speaking** | **1915** | **English** | **A-2** |
| **B-02** | **How to win friend and influence people** | **1936** | **English** | **A-2** |
| **B-05** | **How to enjoy life and job** | **1992** | **English** | **A-2** |

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

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|  |  |
| --- | --- |
| **BOOK** | |
| Book ID  Title  Publish date  Language  Author ID | **String**  **String**  **Timeline**  **String**  string |

|  |  |
| --- | --- |
| **AUTHOR** | |
| String  String  String  String  String | String  String  String  String  String |

# **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  Title  Release Year  Movie Duration | **String**  **String**  **TimeLine**  **String** |

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Director ID** | **Name** | **Date of birth** | **Country** |
| D-1 | Reach | 10,12,2000 | USA |
| D-2 | Sanok | 10,12,2001 | Canada |
| D-3 | Chanthou | 10,12,2002 | Cambodia |

**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** |
| **M-1** | **First they killed my father** | **15/September/2017** | **2 hour 30 min** |
| **M-2** | **Those Who Wish Me Dead** | **14/May/2021** | **2 hour 30 min** |
| **M-3** | **Lara Croft: Tomb Raider** | **11/June/2001** | **2 hour 30 min** |

**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** |
| **D-1** | **Angelina Jolie** | **June/4/1975** | **USA** |
| **D-2** | **Taylor Sheridan** | **May/21/1970** | **USA** |
| **D-3** | **Mike Werb** | **June/21/1977** | **USA** |

**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** | **Author ID** |
| **M-1** | **First they killed my father** | **15/September/2017** | **2 hour 30 min** | **D-1** |
| **M-2** | **Those Who Wish Me Dead** | **14/May/2021** | **2 hour 30 min** | **D-2** |
| **M-3** | **Lara Croft: Tomb Raider** | **11/June/2001** | **2 hour 30 min** | **D-3** |

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

|  |  |
| --- | --- |
| **MOVIE** | |
| Movie ID  Title  Release date  Movie Duration  Director ID | **String**  **String**  **Timeline**  **String**  **String** |

|  |  |
| --- | --- |
| **DIRECTOR** | |
| **String**  **String**  **String**  **String**  **String** | **String**  **String**  **String**  **String**  **String** |

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