# 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 | **Int**  **Varchar**  **Date**  **Varchar** |

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Author ID** | **Name** | **Date of birth** | **Country** |
| XXX | XXX | XXX | XXX |
| XXX | XXX | XXX | XXX |
| XXX | XXX | XXX | XXX |

|  |  |
| --- | --- |
| **Author** | |
| Author ID  Name  Date of birth  Country | **Int**  **Varchar**  **Date**  **Varchar** |

**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** |
| 1 | ផ្កាស្រពោន | 1947 | ខ្មែរ |
| 2 | ទុំទាវ | 1715 | ខ្មែរ |
| 3 | ចៅចិត្រ | 1936 | ខ្មែរ |

**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** |
| 1 | ទី ជីហួត | 10 កុម្ភ: 1949 | cambodia |
| 2 | នូ​ហាច | 26 មិថុនា 1916 | cambodia |
| 3 | ញ៉ក​ ថែម | 21 មិថុនា 1903 | cambodia |

**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* |
| 1 | នារីជាទីស្នេហា | 1953 | ខ្មែរ | 2 |
| 2 | មាលាដួងចិត្ត | 1972 | ខ្មែរ | 2 |
| 3 | ផ្កាស្រពោន | 1947 | ខ្មែរ | 2 |

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

|  |  |
| --- | --- |
| **BOOK** | |
| Book ID  Title  Publish date  Language  Author ID | Int  varchar  date  varchar  int |

|  |  |
| --- | --- |
| **AUTHOR** | |
| Author ID  Name  Date of birth  country | Int  Varchar  Date  varchar |

# **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 Length | Int  Varchar  Date  time |

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Director ID** | **Name** | **Date of birth** | **Country** |
| XXX | XXX | XXX | XXX |
| XXX | XXX | XXX | XXX |
| XXX | XXX | XXX | XXX |

|  |  |
| --- | --- |
| **Director** | |
| Director ID  Name  Date of birth  Country | Int  Varchar  Date  varchar |

**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 Length** |
| **1** | Guns of Eden | 1991 | **2:41** |
| **2** | Wesley Snipes in THE HITMAN | July 10 2007 | **98 min** |
| **3** | THE OUTLAWS | 25 October 2021 | **1.10.05** |

**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** |
| 1 | Gary Lamberson | Jan 1968 | AR |
| 2 | Josef Rusnak | 25 November 1958 | German |
| 3 | Tony Giglio | June3, 1971 | US |

**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 Length** | **Director ID** |
| 1 | Guns of Eden | Jan 1968 | **1.31.23** | 1 |
| 2 | Wesley Snipes in THE HITMAN | 25 November 1958 | **1.23.50** | 2 |
| 3 | THE OUTLAWS | June **3, 1971** | **1.10.05** | 3 |

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

|  |  |
| --- | --- |
| **MOVIE** | |
| Movie ID  Title  Release date  Movie length  Director ID | Int  Varchar  Date  Time  int |

|  |  |
| --- | --- |
| **DIRECTOR** | |
| Director ID  Name  Date of brith  Country | **Int**  **Varchar**  **Date**  **varchar** |