# 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**  **Vachar**  **Date**  **VAchar** |

**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  VACHAR  DATE  VACHAR |

**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** |
| 1001 | **សូផាត​** | **1936** | **កម្ពុជា** |
| 1002 | **កុលាបបៃលិន** | **1915** | **កម្ពុជា** |
| 1003 | **ព្រះអាទិត្យថ្មីរះលើផែនដីចាស់** | **1960-61** | **កម្ពុជា** |

**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 | **រីម​ គីន** | **08.11.1911** | **កម្ពុជា** |
| **2** | **ញ៉ុក​ ថែម** | **22.06.1903** | **កម្ពុជា** |
| **3** | **សួន​ សុរិន​** | **09.07.1930** | **កម្ពុជា** |

**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** |
| **1001** | **សូផាត** | **1936** | **ខ្មែរ** | 1 |
| **1002** | **កុលាបបៃលិន** | **1915** | **ខ្មែរ** | **2** |
| **1003** | **ព្រះអាទិត្យថ្មីរះលើផែនដីចាស់** | **1960-61** | **ខ្មែរ** | **3** |

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

|  |  |
| --- | --- |
| **BOOK** | |
| Book ID  Title  Publish date  Language  Author ID | **…**  **…**  **…**  int |
| **AUTHOR** | |
| Author ID  Name  Date of birth  country | **Int**  **Vachar**  **Date**  **Vachar** |

# **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**  **Vachar**  **Date**  **vachar** |

**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  BD  Country | **Int**  **Vachar**  **Date**  **vachar** |

**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** |
| **001** | **Tranformers** | June 9, 2023 | **English** |
| **002** | **Journey** | February 10, 2012 | **English** |
| **003** | **Bumblebee** | December 21, 2018 | **English** |

**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 | 16, 02, 1988 | **United states** |
| **002** | Brad Peyton | 27, 05,1978 | **Canada** |
| **003** | Travis Knight | 13, ,06, 1973 | **United states** |

**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** | **Author ID** |
| **001** | **Tranformers** | June 9, 2023 | **English** | **001** |
| **002** | **Journey** | February 10, 2012 | **English** | **002** |
| **003** | **Bumblebee** | December 21, 2018 | **Engliush** | **003** |

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

|  |  |
| --- | --- |
| **MOVIE** | |
| Movie ID  Title  Release date  Movie length  Author ID | **…**  **…**  **…**  **…**  **Vachar** |
| **DIRECTOR** | |
| Director ID  Name  BD  Country | **Int**  **Vachar**  **Date**  **Vachar** |