

8.10.2021

author: {author\_id: int (PK), author\_name: varchar}

book: {isbn: varchar (PK), book\_title: varchar, publishinghouse\_id: int (FK)}

book\_author: {isbn: varchar (PK, FK), author\_id (PK, FK)}

article: {article\_id: int (PK), article\_title: varchar, issue\_id: int (FK)}

article\_author: {article\_id: int (PK, FK), author\_id: int (PK, FK)}

publishinghouse: {publishinghouse\_id (PK), publishinghouse\_name: varchar}

journal: {journal\_id: int (PK), journal\_name: varchar, issues\_per\_year: int,  
publishinghouse\_id: int (FK), shelf\_id: int (FK)}

subjectArea: {subjectArea\_id: int (PK), subjectArea\_name: varchar}

book\_subjectArea: {isbn: varchar (PK, FK)}, subjectArea\_id (PK, FK)

journal\_subjectArea: {journal\_id: int (PK, FK), subjectArea\_id: int (PK, FK)}

publishedIssue: {issue\_id: int (PK), issue\_year: int, issue\_nr: int,  
issue\_date: date, journal\_id: int (FK)}

physicalBook: {physicalBook\_id: int (PK), isbn: varchar (FK), shelf\_id: int (FK)}

shelf: {shelf\_id: int (PK), shelf\_location: varchar, subjectArea\_id: int (FK)}

book\_keyword\_relevance: {isbn: varchar (PK, FK), keyword\_id: int (PK, FK),  
relevance: int}

article\_keyword\_relevance: {article\_id: int (PK, FK), keyword\_id: int (PK, FK),  
relevance: int}

keyword: {keyword\_id: int (PK), keyword: varchar}

keyword\_synonym: {keyword\_id: int (PK, FK), synonym\_id: int (PK, FK)}

reservation: { reservation\_id: int (Pk), reservation\_date: date,  
physicalBook\_id: int (Fk), customer\_id: int (Fk),  
loan\_id: int (Fk) }

loan: { loan\_id: int (Pk), loan\_date: date, physicalBook\_id: int (Fk),  
customer\_id: int (Fk), responsible\_for\_loan: int (Fk),  
responsible\_for\_return: int (Fk) }

customer: { customer\_id: int (Pk), customer\_name: varchar }  
employee: { employee\_id: int (Pk), employee\_name: varchar }