customer: customer\_id int, name varchar;

employee: employee\_id int, name varchar;

publisher: publisher\_id int, name varchar;

reservation: reservation\_id int, date date, bookcopy\_id int, customer\_id int, employee\_id int;

loan: loan\_id int, bookcopy\_id int, customer\_id int, employee\_id int;

author: author\_id int, name varchar;

book: book\_id int, name varchar, publisher\_id int, book\_has\_keyword\_id int, shelf\_id int, book\_has\_author\_id int, article\_has\_subject\_area\_id int;

article: article\_id int. name varchar, journal\_id int, article\_has\_keyword\_id int, article\_has\_author\_id int, article\_has\_subject\_area\_id int;

journal: journal\_id int, name varchar, publisher\_id int, shelf\_id int;

keyword: keyword\_id int, name varchar, keyword\_id int;

subject\_area: subject\_area\_id int, name varchar;

shelf: shelf\_id int, subject\_area\_id int;

article\_has\_keyword: article\_has\_keyword\_id int, article\_id int, keyword\_id int;

book\_has\_keyword: book\_has\_keyword\_id int, book\_id int, keyword\_id int;

article\_has\_author: article\_has\_author\_id int, relevance int, article\_id int, author\_id int;

book\_has\_author: book\_has\_author\_id int, relevance int, book\_id int, author\_id int;

article\_has\_subject\_area: article\_has\_subject\_area\_id int, article\_id int, subject\_area\_id int;

book\_has\_subject\_area: book\_has\_subject\_area\_id int, book\_id int, subject\_area\_id int;