**Курсов проест по бази от данни – Книги**

Име и фамилия: Калоян Димитров

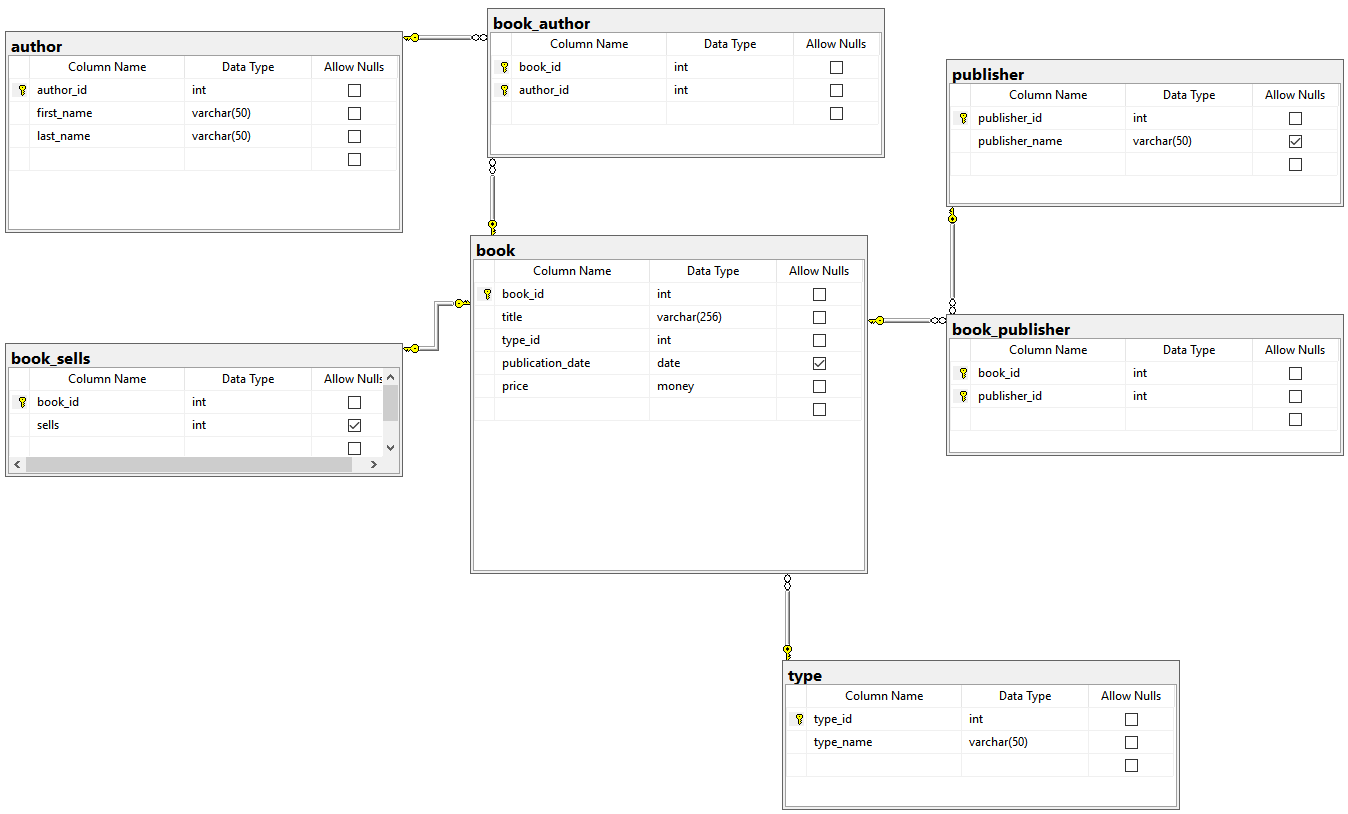
Специалност: Софтуерно инженерство

Факултетен номер: 20054

Описание на предметната обраст

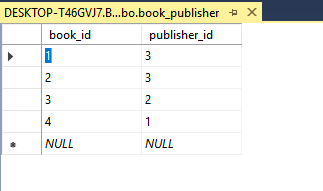
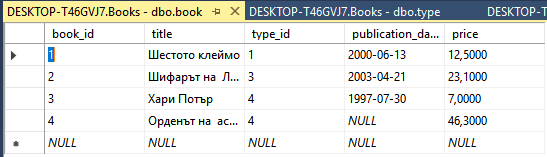
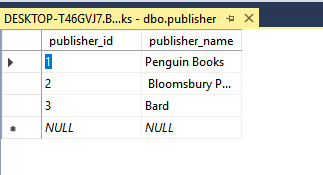
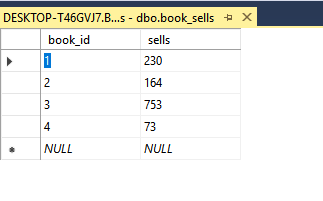
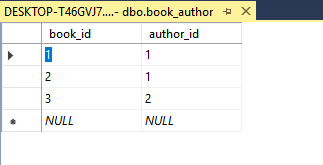
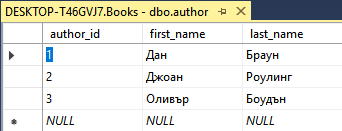
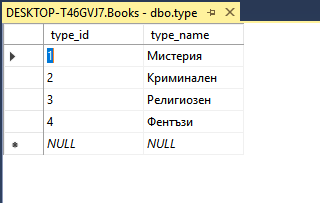
Курсовият ми проект е закниги. Базата от данни може да бъде използвана в издателска фирма. Съдържа се информация като име на книга, дата на издаване, жанр, издателство, автор и брой продажби.

Релационен модел на база от данни



|  |  |  |  |
| --- | --- | --- | --- |
| Име на релация | Атрибут | Тип | Първичен ключ |
| **book** | **book\_id** | **Int** | **Да** |
| **title** | **varchar(256)** | **Не** |
| **type\_id** | **Int** |
| **publication\_date** | **date** |
| **price** | **money** |
| **authors** | **author\_id** | **int** | **Да** |
| **first\_name** | **varchar(50)** | **Не** |
| **last\_name** | **varchar(50)** |
| **publisher** | **publisher\_id** | **int** | **Да** |
| **publisher\_name** | **varchar(50)** | **Не** |
| **type** | **type\_id** | **int** | **Да** |
| **type\_name** | **varchar(50)** | **Не** |
| **book\_sells** | **book\_id** | **int** | **Да** |
| **sells** | **int** | **Не** |

Въведена информация в базата от данни



SELECT \*

FROM book

WHERE price > (SELECT AVG(price) FROM book)



SELECT b.title, a.publisher\_name, b.price

FROM book AS b

INNER JOIN

book\_publisher AS ba ON ba.book\_id = b.book\_id

INNER JOIN

publisher a ON a.publisher\_id = ba.publisher\_id

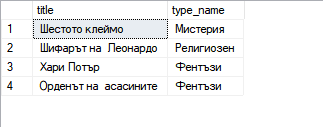


SELECT b.title, a.type\_name

FROM book AS b

INNER JOIN

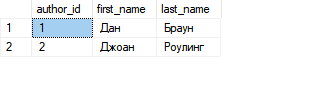
type AS a ON a.type\_id = b.type\_id



SELECT \*

FROM author

WHERE first\_name LIKE 'Д%' ORDER BY first\_name



SELECT b.title, a.first\_name

FROM book AS b

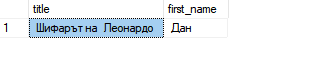
INNER JOIN

book\_author AS ba ON ba.book\_id = b.book\_id

INNER JOIN

Author a ON a.author\_id = ba.author\_id

Where price > ( SELECT AVG(price) FROM book )



ER – модел на базата от данни

type

sells

publisher

Book\_publisher

author

Book\_author

book