**drop** **database** **if** **exists** `library`;

**create** **database** **if** **not** **exists** `library`;

**use** `library`;

#

# TABLE STRUCTURE FOR: information

#

**DROP** **TABLE** **IF** **EXISTS** `information`;

**CREATE** **TABLE** `information` (

`id\_ticket` **int**(11) **NOT** **NULL** **AUTO\_INCREMENT**,

`surname` **varchar**(45) **COLLATE** utf8mb4\_unicode\_ci **DEFAULT** **NULL**,

`name` **varchar**(45) **COLLATE** utf8mb4\_unicode\_ci **DEFAULT** **NULL**,

`patronymic` **varchar**(45) **COLLATE** utf8mb4\_unicode\_ci **DEFAULT** **NULL**,

`phone` **int**(10) **DEFAULT** **NULL**,

`address` **varchar**(45) **COLLATE** utf8mb4\_unicode\_ci **DEFAULT** **NULL**,

**PRIMARY** **KEY** (`id\_ticket`)

) **ENGINE**=InnoDB **AUTO\_INCREMENT**=11 **DEFAULT** CHARSET=utf8mb4 **COLLATE**=utf8mb4\_unicode\_ci;

**INSERT** **INTO** `information` (`id\_ticket`, `surname`, `name`, `patronymic`, `phone`, `address`) **VALUES** (1, 'Серов', 'Михаил', 'Генадьевич', 2147483647, '4934 Bergstrom Row Suite 179\nNorth Vena, VA 2');

**INSERT** **INTO** `information` (`id\_ticket`, `surname`, `name`, `patronymic`, `phone`, `address`) **VALUES** (2, 'Гареев', 'Илья', 'Иванович', 2147483647, '283 Watson Crest\nAlecbury, MT 03250');

**INSERT** **INTO** `information` (`id\_ticket`, `surname`, `name`, `patronymic`, `phone`, `address`) **VALUES** (3, 'Мешков', 'Волк', 'Мешович', 2147483647, '706 Sipes Knolls Suite 354\nGibsonland, VA 226');

**INSERT** **INTO** `information` (`id\_ticket`, `surname`, `name`, `patronymic`, `phone`, `address`) **VALUES** (4, 'Мартинов', 'Эдуард', 'Ильфатович', 2147483647, '9644 Ortiz Hollow\nDurganview, ME 84051-0593');

**INSERT** **INTO** `information` (`id\_ticket`, `surname`, `name`, `patronymic`, `phone`, `address`) **VALUES** (5, 'Макаров', 'Витя', 'Робертович', 2147483647, '1046 Reba Shore\nPort Marianneview, AL 85000');

**INSERT** **INTO** `information` (`id\_ticket`, `surname`, `name`, `patronymic`, `phone`, `address`) **VALUES** (6, 'Ерошин', 'Сергей', 'Иванович', 2147483647, '331 Dare Meadow\nJermainfurt, NE 58405');

**INSERT** **INTO** `information` (`id\_ticket`, `surname`, `name`, `patronymic`, `phone`, `address`) **VALUES** (7, 'Ежова', 'Вика', 'Петровна', 2147483647, '1584 Erdman Flats Apt. 796\nO\ Haraville, MA 71');

**INSERT** **INTO** `information` (`id\_ticket`, `surname`, `name`, `patronymic`, `phone`, `address`) **VALUES** (8, 'Макорова', 'Зинаида', 'Вячеславовна', 2147483647, '065 Mariane Manors Apt. 388\nConcepcionside, M');

**INSERT** **INTO** `information` (`id\_ticket`, `surname`, `name`, `patronymic`, `phone`, `address`) **VALUES** (9, 'Гарипов', 'Михаил', 'Мамурович', 2147483647, '13781 Rath Unions\nHuelshaven, UT 57288-9096');

**INSERT** **INTO** `information` (`id\_ticket`, `surname`, `name`, `patronymic`, `phone`, `address`) **VALUES** (10, 'Фатыхов', 'Райнур', 'Noemy', 2147483647, '295 Gladys Lane\nFayland, MN 62760');

#

# TABLE STRUCTURE FOR: author

#

**DROP** **TABLE** **IF** **EXISTS** `author`;

**CREATE** **TABLE** `author` (

`id\_author` **int**(11) **NOT** **NULL** **AUTO\_INCREMENT**,

`surname` **varchar**(45) **COLLATE** utf8mb4\_unicode\_ci **DEFAULT** **NULL**,

`name` **varchar**(45) **COLLATE** utf8mb4\_unicode\_ci **DEFAULT** **NULL**,

`patronymic` **varchar**(45) **COLLATE** utf8mb4\_unicode\_ci **DEFAULT** **NULL**,

**PRIMARY** **KEY** (`id\_author`)

) **ENGINE**=InnoDB **AUTO\_INCREMENT**=11 **DEFAULT** CHARSET=utf8mb4 **COLLATE**=utf8mb4\_unicode\_ci;

**INSERT** **INTO** `author` (`id\_author`, `surname`, `name`, `patronymic`) **VALUES** (1, 'Булгаков ', 'Михаил', '-');

**INSERT** **INTO** `author` (`id\_author`, `surname`, `name`, `patronymic`) **VALUES** (2, 'Тургенев ', 'Иван', '-');

**INSERT** **INTO** `author` (`id\_author`, `surname`, `name`, `patronymic`) **VALUES** (3, 'Гоголь ', 'Николай', '-');

**INSERT** **INTO** `author` (`id\_author`, `surname`, `name`, `patronymic`) **VALUES** (4, 'Толстой', 'Алексей', '-');

**INSERT** **INTO** `author` (`id\_author`, `surname`, `name`, `patronymic`) **VALUES** (5, 'Тургенев', 'Иван', '-');

**INSERT** **INTO** `author` (`id\_author`, `surname`, `name`, `patronymic`) **VALUES** (6, 'Толстой', 'Алексей', '-');

**INSERT** **INTO** `author` (`id\_author`, `surname`, `name`, `patronymic`) **VALUES** (7, 'Лесков', 'Николай', '-');

**INSERT** **INTO** `author` (`id\_author`, `surname`, `name`, `patronymic`) **VALUES** (8, 'Петров', 'Евгений', '-');

**INSERT** **INTO** `author` (`id\_author`, `surname`, `name`, `patronymic`) **VALUES** (9, 'Гончаров', 'Иван', '-');

**INSERT** **INTO** `author` (`id\_author`, `surname`, `name`, `patronymic`) **VALUES** (10, 'Лермонтов', 'Михаил', '-');

#

# TABLE STRUCTURE FOR: publishing\_house

#

**DROP** **TABLE** **IF** **EXISTS** `publishing\_house`;

**CREATE** **TABLE** `publishing\_house` (

`id\_publishing\_house` **int**(11) **NOT** **NULL** **AUTO\_INCREMENT**,

`name` **varchar**(45) **COLLATE** utf8mb4\_unicode\_ci **DEFAULT** **NULL**,

`city\_code` **int**(10) **DEFAULT** **NULL**,

**PRIMARY** **KEY** (`id\_publishing\_house`)

) **ENGINE**=InnoDB **AUTO\_INCREMENT**=11 **DEFAULT** CHARSET=utf8mb4 **COLLATE**=utf8mb4\_unicode\_ci;

**INSERT** **INTO** `publishing\_house` (`id\_publishing\_house`, `name`, `city\_code`) **VALUES** (1, 'Солнце', 371729);

**INSERT** **INTO** `publishing\_house` (`id\_publishing\_house`, `name`, `city\_code`) **VALUES** (2, 'Радуга', 704366);

**INSERT** **INTO** `publishing\_house` (`id\_publishing\_house`, `name`, `city\_code`) **VALUES** (3, 'Маяк', 892085);

**INSERT** **INTO** `publishing\_house` (`id\_publishing\_house`, `name`, `city\_code`) **VALUES** (4, 'Солнце', 117540);

**INSERT** **INTO** `publishing\_house` (`id\_publishing\_house`, `name`, `city\_code`) **VALUES** (5, 'Май', 305363);

**INSERT** **INTO** `publishing\_house` (`id\_publishing\_house`, `name`, `city\_code`) **VALUES** (6, 'Улыбка', 798332);

**INSERT** **INTO** `publishing\_house` (`id\_publishing\_house`, `name`, `city\_code`) **VALUES** (7, 'Лето', 850246);

**INSERT** **INTO** `publishing\_house` (`id\_publishing\_house`, `name`, `city\_code`) **VALUES** (8, 'Маяк', 191721);

**INSERT** **INTO** `publishing\_house` (`id\_publishing\_house`, `name`, `city\_code`) **VALUES** (9, 'Лето', 265155);

**INSERT** **INTO** `publishing\_house` (`id\_publishing\_house`, `name`, `city\_code`) **VALUES** (10, 'Улыбка', 876029);

#

# TABLE STRUCTURE FOR: book

#

**DROP** **TABLE** **IF** **EXISTS** `book`;

**CREATE** **TABLE** `book` (

`id\_book` **int**(11) **NOT** **NULL** **AUTO\_INCREMENT**,

`name` **varchar**(45) **COLLATE** utf8mb4\_unicode\_ci **DEFAULT** **NULL**,

`id\_author` **int**(11) **NOT** **NULL**,

`id\_publishing\_house` **int**(11) **NOT** **NULL**,

`publication\_year` **int**(11) **DEFAULT** **NULL**,

`price` **decimal**(10,2) **DEFAULT** **NULL**,

`quanity` **int**(40) **DEFAULT** **NULL**,

`city\_code` **int**(10) **DEFAULT** **NULL**,

**PRIMARY** **KEY** (`id\_book`),

**KEY** `id\_author` (`id\_author`),

**KEY** `id\_publishing\_house` (`id\_publishing\_house`),

**CONSTRAINT** `book\_ibfk\_1` **FOREIGN** **KEY** (`id\_author`) **REFERENCES** `author` (`id\_author`) **ON** **DELETE** **CASCADE** **ON** **UPDATE** **CASCADE**,

**CONSTRAINT** `book\_ibfk\_2` **FOREIGN** **KEY** (`id\_publishing\_house`) **REFERENCES** `publishing\_house` (`id\_publishing\_house`) **ON** **DELETE** **CASCADE** **ON** **UPDATE** **CASCADE**

) **ENGINE**=InnoDB **AUTO\_INCREMENT**=11 **DEFAULT** CHARSET=utf8mb4 **COLLATE**=utf8mb4\_unicode\_ci;

**INSERT** **INTO** `book` (`id\_book`, `name`, `id\_author`, `id\_publishing\_house`, `publication\_year`, `price`, `quanity`, `city\_code`) **VALUES** (1, 'Мастер и Маргарита ', 1, 7, 1994, '2554.00', 667, 262215);

**INSERT** **INTO** `book` (`id\_book`, `name`, `id\_author`, `id\_publishing\_house`, `publication\_year`, `price`, `quanity`, `city\_code`) **VALUES** (2, 'Ася', 2, 1, 1992, '2521.00', 964, 630572);

**INSERT** **INTO** `book` (`id\_book`, `name`, `id\_author`, `id\_publishing\_house`, `publication\_year`, `price`, `quanity`, `city\_code`) **VALUES** (3, 'Мертвые души', 3, 1, 1979, '2232.00', 572, 571440);

**INSERT** **INTO** `book` (`id\_book`, `name`, `id\_author`, `id\_publishing\_house`, `publication\_year`, `price`, `quanity`, `city\_code`) **VALUES** (4, 'Хождение по мукам ', 4, 7, 1986, '8783.00', 79, 273582);

**INSERT** **INTO** `book` (`id\_book`, `name`, `id\_author`, `id\_publishing\_house`, `publication\_year`, `price`, `quanity`, `city\_code`) **VALUES** (5, 'Записи охотника ', 5, 4, 1999, '7893.00', 725, 625753);

**INSERT** **INTO** `book` (`id\_book`, `name`, `id\_author`, `id\_publishing\_house`, `publication\_year`, `price`, `quanity`, `city\_code`) **VALUES** (6, 'Война и мир', 6, 2, 1995, '8151.00', 673, 507765);

**INSERT** **INTO** `book` (`id\_book`, `name`, `id\_author`, `id\_publishing\_house`, `publication\_year`, `price`, `quanity`, `city\_code`) **VALUES** (7, 'Левша', 7, 10, 1995, '9614.00', 763, 350570);

**INSERT** **INTO** `book` (`id\_book`, `name`, `id\_author`, `id\_publishing\_house`, `publication\_year`, `price`, `quanity`, `city\_code`) **VALUES** (8, '12 стульев', 8, 1, 2003, '7452.00', 756, 998453);

**INSERT** **INTO** `book` (`id\_book`, `name`, `id\_author`, `id\_publishing\_house`, `publication\_year`, `price`, `quanity`, `city\_code`) **VALUES** (9, 'Обыкновенная история ', 9, 8, 1988, '5651.00', 368, 253989);

**INSERT** **INTO** `book` (`id\_book`, `name`, `id\_author`, `id\_publishing\_house`, `publication\_year`, `price`, `quanity`, `city\_code`) **VALUES** (10, 'Герой нашего времени ', 10, 3, 1973, '1408.00', 247, 574627);

#

# TABLE STRUCTURE FOR: issuanse\_of\_books

#

**DROP** **TABLE** **IF** **EXISTS** `issuanse\_of\_books`;

**CREATE** **TABLE** `issuanse\_of\_books` (

`id\_issue` **int**(11) **NOT** **NULL** **AUTO\_INCREMENT**,

`id\_book` **int**(11) **NOT** **NULL**,

`id\_ticket` **int**(11) **NOT** **NULL**,

`grant\_date` **date** **DEFAULT** **NULL**,

`return\_date` **date** **DEFAULT** **NULL**,

**PRIMARY** **KEY** (`id\_issue`),

**KEY** `id\_book` (`id\_book`),

**KEY** `id\_ticket` (`id\_ticket`),

**CONSTRAINT** `issuanse\_of\_books\_ibfk\_1` **FOREIGN** **KEY** (`id\_book`) **REFERENCES** `book` (`id\_book`) **ON** **DELETE** **CASCADE** **ON** **UPDATE** **CASCADE**,

**CONSTRAINT** `issuanse\_of\_books\_ibfk\_2` **FOREIGN** **KEY** (`id\_ticket`) **REFERENCES** `information` (`id\_ticket`) **ON** **DELETE** **CASCADE** **ON** **UPDATE** **CASCADE**

) **ENGINE**=InnoDB **AUTO\_INCREMENT**=11 **DEFAULT** CHARSET=utf8mb4 **COLLATE**=utf8mb4\_unicode\_ci;

**INSERT** **INTO** `issuanse\_of\_books` (`id\_issue`, `id\_book`, `id\_ticket`, `grant\_date`, `return\_date`) **VALUES** (1, 2, 5, '2017-06-30', '2018-02-18');

**INSERT** **INTO** `issuanse\_of\_books` (`id\_issue`, `id\_book`, `id\_ticket`, `grant\_date`, `return\_date`) **VALUES** (2, 3, 6, '2017-01-27', '2018-04-30');

**INSERT** **INTO** `issuanse\_of\_books` (`id\_issue`, `id\_book`, `id\_ticket`, `grant\_date`, `return\_date`) **VALUES** (3, 6, 2, '2017-10-08', '2018-07-14');

**INSERT** **INTO** `issuanse\_of\_books` (`id\_issue`, `id\_book`, `id\_ticket`, `grant\_date`, `return\_date`) **VALUES** (4, 9, 2, '2017-04-27', '2018-04-06');

**INSERT** **INTO** `issuanse\_of\_books` (`id\_issue`, `id\_book`, `id\_ticket`, `grant\_date`, `return\_date`) **VALUES** (5, 3, 10, '2017-09-14', '2018-04-25');

**INSERT** **INTO** `issuanse\_of\_books` (`id\_issue`, `id\_book`, `id\_ticket`, `grant\_date`, `return\_date`) **VALUES** (6, 4, 9, '2017-12-08', '2018-05-09');

**INSERT** **INTO** `issuanse\_of\_books` (`id\_issue`, `id\_book`, `id\_ticket`, `grant\_date`, `return\_date`) **VALUES** (7, 10, 3, '2017-07-23', '2018-06-06');

**INSERT** **INTO** `issuanse\_of\_books` (`id\_issue`, `id\_book`, `id\_ticket`, `grant\_date`, `return\_date`) **VALUES** (8, 1, 1, '2017-11-16', '2018-04-02');

**INSERT** **INTO** `issuanse\_of\_books` (`id\_issue`, `id\_book`, `id\_ticket`, `grant\_date`, `return\_date`) **VALUES** (9, 3, 4, '2017-05-22', '2018-05-08');

**INSERT** **INTO** `issuanse\_of\_books` (`id\_issue`, `id\_book`, `id\_ticket`, `grant\_date`, `return\_date`) **VALUES** (10, 1, 2, '2017-03-05', '2018-07-22');

#

# TABLE STRUCTURE FOR: book\_booking

#

**DROP** **TABLE** **IF** **EXISTS** `book\_booking`;

**CREATE** **TABLE** `book\_booking` (

`id\_booking` **int**(11) **NOT** **NULL** **AUTO\_INCREMENT**,

`id\_book` **int**(11) **NOT** **NULL**,

`id\_ticket` **int**(11) **NOT** **NULL**,

`order\_date` **date** **DEFAULT** **NULL**,

**PRIMARY** **KEY** (`id\_booking`),

**KEY** `id\_book` (`id\_book`),

**KEY** `id\_ticket` (`id\_ticket`),

**CONSTRAINT** `book\_booking\_ibfk\_1` **FOREIGN** **KEY** (`id\_book`) **REFERENCES** `book` (`id\_book`) **ON** **DELETE** **CASCADE** **ON** **UPDATE** **CASCADE**,

**CONSTRAINT** `book\_booking\_ibfk\_2` **FOREIGN** **KEY** (`id\_ticket`) **REFERENCES** `information` (`id\_ticket`) **ON** **DELETE** **CASCADE** **ON** **UPDATE** **CASCADE**

) **ENGINE**=InnoDB **AUTO\_INCREMENT**=11 **DEFAULT** CHARSET=utf8mb4 **COLLATE**=utf8mb4\_unicode\_ci;

**INSERT** **INTO** `book\_booking` (`id\_booking`, `id\_book`, `id\_ticket`, `order\_date`) **VALUES** (1, 5, 3, '2018-10-13');

**INSERT** **INTO** `book\_booking` (`id\_booking`, `id\_book`, `id\_ticket`, `order\_date`) **VALUES** (2, 3, 1, '2019-05-27');

**INSERT** **INTO** `book\_booking` (`id\_booking`, `id\_book`, `id\_ticket`, `order\_date`) **VALUES** (3, 5, 8, '2018-12-15');

**INSERT** **INTO** `book\_booking` (`id\_booking`, `id\_book`, `id\_ticket`, `order\_date`) **VALUES** (4, 10, 3, '2017-05-11');

**INSERT** **INTO** `book\_booking` (`id\_booking`, `id\_book`, `id\_ticket`, `order\_date`) **VALUES** (5, 10, 9, '2018-07-13');

**INSERT** **INTO** `book\_booking` (`id\_booking`, `id\_book`, `id\_ticket`, `order\_date`) **VALUES** (6, 1, 9, '2019-07-10');

**INSERT** **INTO** `book\_booking` (`id\_booking`, `id\_book`, `id\_ticket`, `order\_date`) **VALUES** (7, 3, 10, '2019-09-07');

**INSERT** **INTO** `book\_booking` (`id\_booking`, `id\_book`, `id\_ticket`, `order\_date`) **VALUES** (8, 5, 3, '2017-08-24');

**INSERT** **INTO** `book\_booking` (`id\_booking`, `id\_book`, `id\_ticket`, `order\_date`) **VALUES** (9, 10, 10, '2018-10-02');

**INSERT** **INTO** `book\_booking` (`id\_booking`, `id\_book`, `id\_ticket`, `order\_date`) **VALUES** (10, 4, 1, '2018-10-09');