|  |  |
| --- | --- |
| **ФИО** | Кривова Татьяна Сергеевна |

**Перечислить все таблицы и первичные ключи в базе данных dvd-rental**

-- Все таблицы:

**SELECT**

table\_name

, table\_type

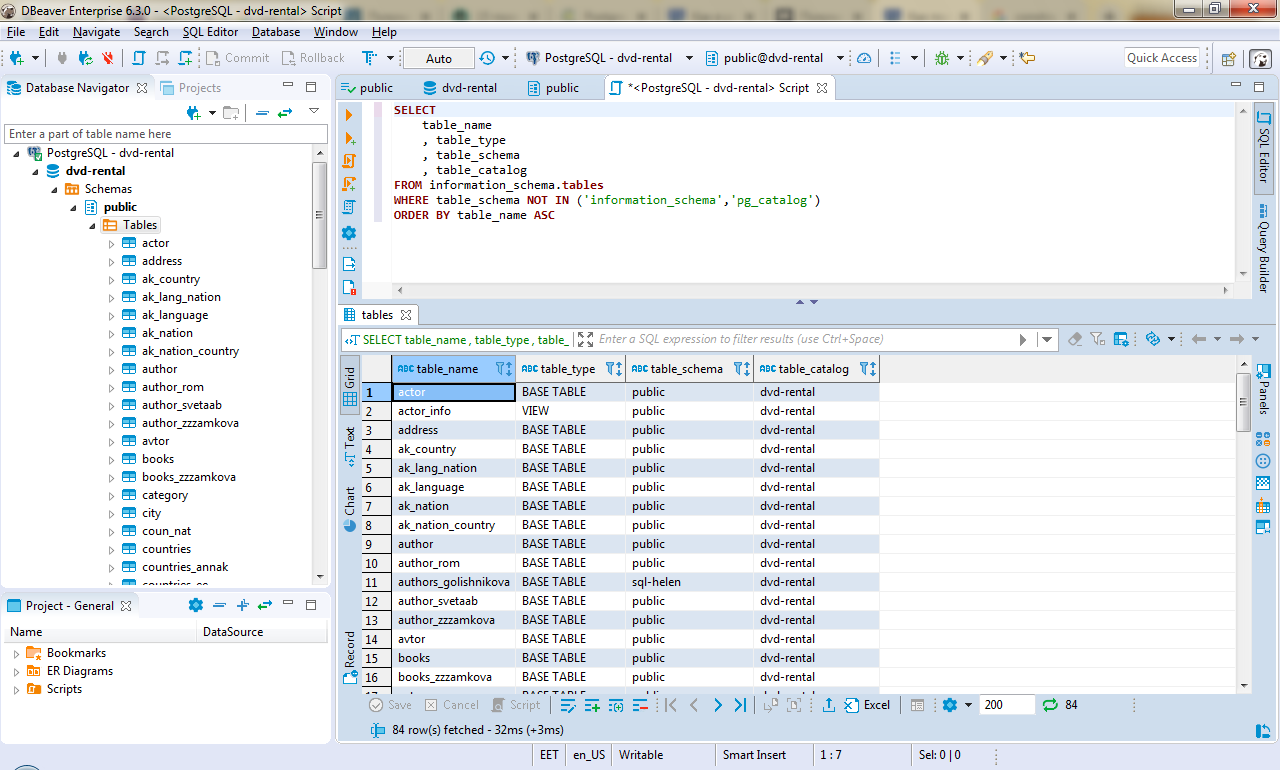
, table\_schema

, table\_catalog

**FROM** information\_schema.**tables**

**WHERE** table\_schema **NOT** **IN** ('information\_schema','pg\_catalog')

**ORDER** **BY** table\_name **ASC**



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **#** | **table\_name** | **table\_type** | **table\_schema** | **table\_catalog** |
| 1 | actor | BASE TABLE | public | dvd-rental |
| 2 | actor\_info | VIEW | public | dvd-rental |
| 3 | address | BASE TABLE | public | dvd-rental |
| 4 | ak\_country | BASE TABLE | public | dvd-rental |
| 5 | ak\_lang\_nation | BASE TABLE | public | dvd-rental |
| 6 | ak\_language | BASE TABLE | public | dvd-rental |
| 7 | ak\_nation | BASE TABLE | public | dvd-rental |
| 8 | ak\_nation\_country | BASE TABLE | public | dvd-rental |
| 9 | author | BASE TABLE | public | dvd-rental |
| 10 | author\_rom | BASE TABLE | public | dvd-rental |
| 11 | authors\_golishnikova | BASE TABLE | sql-helen | dvd-rental |
| 12 | author\_svetaab | BASE TABLE | public | dvd-rental |
| 13 | author\_zzzamkova | BASE TABLE | public | dvd-rental |
| 14 | avtor | BASE TABLE | public | dvd-rental |
| 15 | books | BASE TABLE | public | dvd-rental |
| 16 | books\_zzzamkova | BASE TABLE | public | dvd-rental |
| 17 | category | BASE TABLE | public | dvd-rental |
| 18 | city | BASE TABLE | public | dvd-rental |
| 19 | coun\_nat | BASE TABLE | public | dvd-rental |
| 20 | coun\_nat | BASE TABLE | sql-helen | dvd-rental |
| 21 | countries | BASE TABLE | sql-helen | dvd-rental |
| 22 | countries | BASE TABLE | public | dvd-rental |
| 23 | countries\_annak | BASE TABLE | public | dvd-rental |
| 24 | countries\_ee | BASE TABLE | public | dvd-rental |
| 25 | countries\_ee | BASE TABLE | sql-helen | dvd-rental |
| 26 | countries\_romanova | BASE TABLE | public | dvd-rental |
| 27 | countries\_z | BASE TABLE | public | dvd-rental |
| 28 | country | BASE TABLE | sql-il.al | dvd-rental |
| 29 | country | BASE TABLE | public | dvd-rental |
| 30 | country\_nation | BASE TABLE | public | dvd-rental |
| 31 | country\_nation\_svetaab | BASE TABLE | public | dvd-rental |
| 32 | country\_svetaab | BASE TABLE | public | dvd-rental |
| 33 | creations | BASE TABLE | sql-helen | dvd-rental |
| 34 | creations | BASE TABLE | public | dvd-rental |
| 35 | creations\_svetaab | BASE TABLE | public | dvd-rental |
| 36 | customer | BASE TABLE | public | dvd-rental |
| 37 | customer\_list | VIEW | public | dvd-rental |
| 38 | film | BASE TABLE | public | dvd-rental |
| 39 | film\_actor | BASE TABLE | public | dvd-rental |
| 40 | film\_category | BASE TABLE | public | dvd-rental |
| 41 | film\_list | VIEW | public | dvd-rental |
| 42 | hw\_countries | BASE TABLE | public | dvd-rental |
| 43 | hw\_languages | BASE TABLE | public | dvd-rental |
| 44 | hw\_nations | BASE TABLE | public | dvd-rental |
| 45 | hw\_nations\_countries | BASE TABLE | public | dvd-rental |
| 46 | inventory | BASE TABLE | public | dvd-rental |
| 47 | lang\_nat | BASE TABLE | public | dvd-rental |
| 48 | lang\_nat | BASE TABLE | sql-helen | dvd-rental |
| 49 | language | BASE TABLE | sql-il.al | dvd-rental |
| 50 | language | BASE TABLE | public | dvd-rental |
| 51 | language\_annak | BASE TABLE | public | dvd-rental |
| 52 | language\_annak1 | BASE TABLE | public | dvd-rental |
| 53 | language\_romanova | BASE TABLE | public | dvd-rental |
| 54 | languages | BASE TABLE | sql-helen | dvd-rental |
| 55 | languages\_ee | BASE TABLE | public | dvd-rental |
| 56 | languages\_ee | BASE TABLE | sql-helen | dvd-rental |
| 57 | language\_svetaab | BASE TABLE | public | dvd-rental |
| 58 | languages\_z | BASE TABLE | public | dvd-rental |
| 59 | last\_customer\_film | VIEW | public | dvd-rental |
| 60 | last\_rent | VIEW | public | dvd-rental |
| 61 | last\_rent\_of\_customer | VIEW | public | dvd-rental |
| 62 | nationalities | BASE TABLE | sql-helen | dvd-rental |
| 63 | nationalities\_annak | BASE TABLE | public | dvd-rental |
| 64 | nationalities\_annak1 | BASE TABLE | public | dvd-rental |
| 65 | nationalities\_ee | BASE TABLE | sql-helen | dvd-rental |
| 66 | nationalities\_ee | BASE TABLE | public | dvd-rental |
| 67 | nationalities\_z | BASE TABLE | public | dvd-rental |
| 68 | nationality | BASE TABLE | sql-il.al | dvd-rental |
| 69 | nationality\_country | BASE TABLE | public | dvd-rental |
| 70 | nation\_romanova | BASE TABLE | public | dvd-rental |
| 71 | nations | BASE TABLE | sql-helen | dvd-rental |
| 72 | nations\_svetaab | BASE TABLE | public | dvd-rental |
| 73 | nicer\_but\_slower\_film\_list | VIEW | public | dvd-rental |
| 74 | orders | BASE TABLE | public | dvd-rental |
| 75 | orders\_anna | BASE TABLE | public | dvd-rental |
| 76 | orders\_svetaab | BASE TABLE | public | dvd-rental |
| 77 | payment | BASE TABLE | public | dvd-rental |
| 78 | rental | BASE TABLE | public | dvd-rental |
| 79 | sales\_by\_film\_category | VIEW | public | dvd-rental |
| 80 | sales\_by\_store | VIEW | public | dvd-rental |
| 81 | staff | BASE TABLE | public | dvd-rental |
| 82 | staff\_list | VIEW | public | dvd-rental |
| 83 | store | BASE TABLE | public | dvd-rental |
| 84 | view\_v | VIEW | public | dvd-rental |

-- Первичные ключи:

**SELECT**

table\_name

, column\_name

, constraint\_name

, table\_schema

, table\_catalog

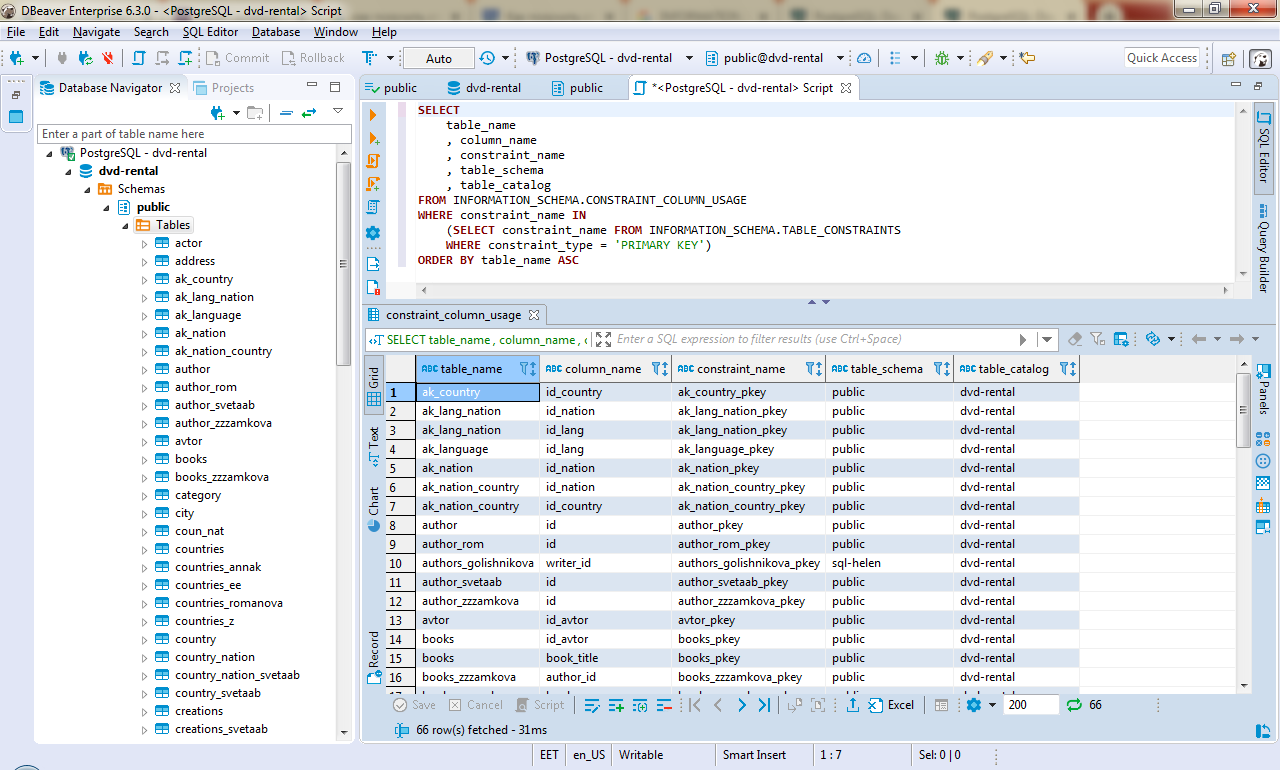
**FROM** INFORMATION\_SCHEMA.CONSTRAINT\_COLUMN\_USAGE

**WHERE** constraint\_name **IN**

(**SELECT** constraint\_name **FROM** INFORMATION\_SCHEMA.TABLE\_CONSTRAINTS

**WHERE** constraint\_type = 'PRIMARY KEY')

**ORDER** **BY** table\_name **ASC**



|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **#** | **table\_name** | **column\_name** | **constraint\_name** | **table\_schema** | **table\_catalog** |
| 1 | ak\_country | id\_country | ak\_country\_pkey | public | dvd-rental |
| 2 | ak\_lang\_nation | id\_nation | ak\_lang\_nation\_pkey | public | dvd-rental |
| 3 | ak\_lang\_nation | id\_lang | ak\_lang\_nation\_pkey | public | dvd-rental |
| 4 | ak\_language | id\_lang | ak\_language\_pkey | public | dvd-rental |
| 5 | ak\_nation | id\_nation | ak\_nation\_pkey | public | dvd-rental |
| 6 | ak\_nation\_country | id\_nation | ak\_nation\_country\_pkey | public | dvd-rental |
| 7 | ak\_nation\_country | id\_country | ak\_nation\_country\_pkey | public | dvd-rental |
| 8 | author | id | author\_pkey | public | dvd-rental |
| 9 | author\_rom | id | author\_rom\_pkey | public | dvd-rental |
| 10 | authors\_golishnikova | writer\_id | authors\_golishnikova\_pkey | sql-helen | dvd-rental |
| 11 | author\_svetaab | id | author\_svetaab\_pkey | public | dvd-rental |
| 12 | author\_zzzamkova | id | author\_zzzamkova\_pkey | public | dvd-rental |
| 13 | avtor | id\_avtor | avtor\_pkey | public | dvd-rental |
| 14 | books | id\_avtor | books\_pkey | public | dvd-rental |
| 15 | books | book\_title | books\_pkey | public | dvd-rental |
| 16 | books\_zzzamkova | author\_id | books\_zzzamkova\_pkey | public | dvd-rental |
| 17 | books\_zzzamkova | book\_name | books\_zzzamkova\_pkey | public | dvd-rental |
| 18 | coun\_nat | nat\_id | coun\_nat\_pkey | public | dvd-rental |
| 19 | coun\_nat | coun\_id | coun\_nat\_pkey | public | dvd-rental |
| 20 | countries | country\_id | countries\_pkey | public | dvd-rental |
| 21 | countries | coun\_id | countries\_pkey | sql-helen | dvd-rental |
| 22 | countries\_annak | country\_id | countries\_annak\_pkey | public | dvd-rental |
| 23 | countries\_ee | coun\_id | countries\_ee\_pkey | public | dvd-rental |
| 24 | countries\_ee | coun\_id | countries\_ee\_pkey | sql-helen | dvd-rental |
| 25 | countries\_romanova | country\_id | countries\_romanova\_pkey | public | dvd-rental |
| 26 | countries\_z | id | countries\_z\_pkey | public | dvd-rental |
| 27 | country | country\_id | country\_pkey | sql-il.al | dvd-rental |
| 28 | country\_nation | country\_id | country\_nation\_pkey | public | dvd-rental |
| 29 | country\_nation | nat\_id | country\_nation\_pkey | public | dvd-rental |
| 30 | country\_nation\_svetaab | country\_id | country\_nation\_svetaab\_pkey | public | dvd-rental |
| 31 | country\_nation\_svetaab | nation\_id | country\_nation\_svetaab\_pkey | public | dvd-rental |
| 32 | country\_svetaab | id | country\_svetaab\_pkey | public | dvd-rental |
| 33 | creations | id | creations\_pkey | sql-helen | dvd-rental |
| 34 | creations | id | creations\_pkey | public | dvd-rental |
| 35 | creations\_svetaab | id | creations\_svetaab\_pkey | public | dvd-rental |
| 36 | hw\_countries | id | hw\_countries\_pkey | public | dvd-rental |
| 37 | hw\_languages | id | hw\_languages\_pkey | public | dvd-rental |
| 38 | hw\_nations | id | hw\_nations\_pkey | public | dvd-rental |
| 39 | hw\_nations\_countries | nation\_id | hw\_nations\_countries\_pkey | public | dvd-rental |
| 40 | hw\_nations\_countries | country\_id | hw\_nations\_countries\_pkey | public | dvd-rental |
| 41 | lang\_nat | lang\_id | lang\_nat\_pkey | public | dvd-rental |
| 42 | lang\_nat | nat\_id | lang\_nat\_pkey | public | dvd-rental |
| 43 | language | language\_id | language\_pkey | sql-il.al | dvd-rental |
| 44 | language\_annak | languge\_id | language\_annak\_pkey | public | dvd-rental |
| 45 | language\_annak1 | languge\_id | language\_annak1\_pkey | public | dvd-rental |
| 46 | language\_romanova | lang\_id | language\_romanova\_pkey | public | dvd-rental |
| 47 | languages | lang\_id | languages\_pkey | sql-helen | dvd-rental |
| 48 | languages\_ee | lang\_id | languages\_ee\_pkey | public | dvd-rental |
| 49 | languages\_ee | lang\_id | languages\_ee\_pkey | sql-helen | dvd-rental |
| 50 | language\_svetaab | id | language\_svetaab\_pkey | public | dvd-rental |
| 51 | languages\_z | id | languages\_z\_pkey | public | dvd-rental |
| 52 | nationalities | nat\_id | nationalities\_pkey | sql-helen | dvd-rental |
| 53 | nationalities\_annak | nationality\_id | nationalities\_annak\_pkey | public | dvd-rental |
| 54 | nationalities\_annak1 | nationality\_id | nationalities\_annak1\_pkey | public | dvd-rental |
| 55 | nationalities\_ee | nat\_id | nationalities\_ee\_pkey | sql-helen | dvd-rental |
| 56 | nationalities\_ee | nat\_id | nationalities\_ee\_pkey | public | dvd-rental |
| 57 | nationalities\_z | id | nationalities\_z\_pkey | public | dvd-rental |
| 58 | nationality | national\_id | nationality\_pkey | sql-il.al | dvd-rental |
| 59 | nationality\_country | country\_id | nationality\_country\_pkey | public | dvd-rental |
| 60 | nationality\_country | nationality\_id | nationality\_country\_pkey | public | dvd-rental |
| 61 | nation\_romanova | nat\_id | nation\_romanova\_pkey | public | dvd-rental |
| 62 | nations | nat\_id | nations\_pkey | sql-helen | dvd-rental |
| 63 | nations\_svetaab | id | nations\_svetaab\_pkey | public | dvd-rental |
| 64 | orders | id | orders\_pkey | public | dvd-rental |
| 65 | orders\_anna | id | orders\_anna\_pkey | public | dvd-rental |
| 66 | orders\_svetaab | id | orders\_svetaab\_pkey | public | dvd-rental |

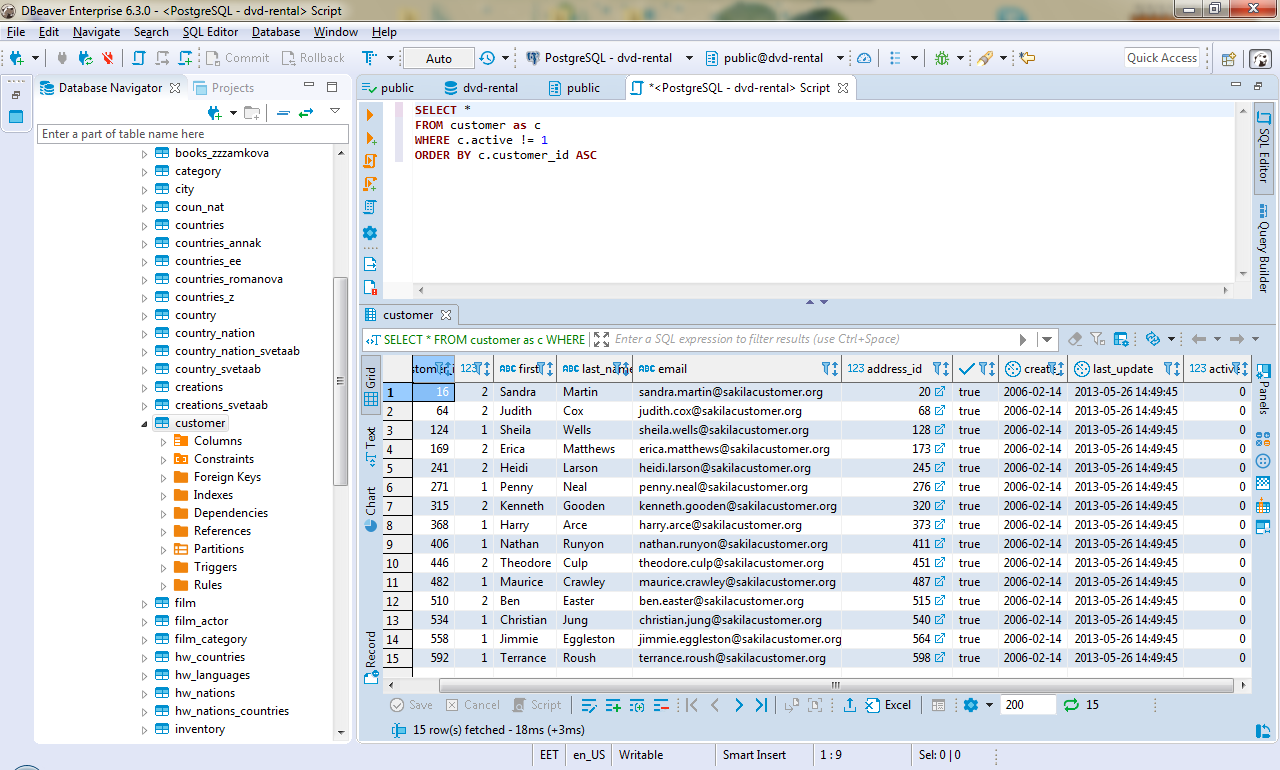
**Вывести всех неактивных покупателей**

**SELECT** \*

**FROM** customer **as** c

**WHERE** c.active != 1

**ORDER** **BY** c.customer\_id **ASC**



**Вывести 10 последних платежей за прокат фильмов (таблица payment)**

**SELECT** \*

**FROM** payment **as** p

**ORDER** **BY** p.payment\_date **desc**, p.payment\_id **desc**

**limit** 10

