

	Databases 7 of 10	Schemas 1 of 4	Tables	Fields
localhost:5432	ad-tech	public	impressions	app_code
	anastasiiatrofymova		itemdata	impressions_id
SQLite Files	Employees		viewlog	impressions_time
	France			is_4g
Valentina Files	Store			is_click
	World			os_version
	ztn			user_id

	Databases	Schemas	Tables	Fields
localhost:5432	ad-tech	public	impressions	category_1
	anastasiiatrofymova		itemdata	category_2
	Employees		viewlog	category_3
	France			item_id
	Store			item_price
	World			product_type
	ztm			

	Databases <span>7 of 10</span>	Schemas <span>1 of 4</span>	Tables	Fields
localhost:5432	<ul style="list-style-type: none"> <li>ad-tech</li> <li>anastasiiatrofymova</li> <li>Employees</li> <li>France</li> <li>Store</li> <li>World</li> <li>ztm</li> </ul>	public	<ul style="list-style-type: none"> <li>impressions</li> <li>itemdata</li> <li><b>viewlog</b></li> </ul>	<ul style="list-style-type: none"> <li>device_type</li> <li>item_id</li> <li>server_time</li> <li>session_id</li> <li>user_id</li> </ul>
SQLite Files				
Valentina Files				

The screenshot shows the Valentina Studio application window. At the top, there's a menu bar with options like File, Edit, View, Diagram, Project, SQL, Tools, and Help. Below the menu is a toolbar with icons for file operations, editing, and execution. The main workspace is divided into two panes. The left pane shows a 'Schemas' tree with a 'public' schema containing various database objects like Domains, Functions, Links, Sequences, Tables, Views, and Triggers. The right pane displays a SQL query and its results. The query is a SELECT statement that joins 'impressions' and 'impressions\_before' tables, filtering for records where the time difference is less than or equal to 7 days. The results are shown in a table with 12 columns: impressions\_id, impressions\_time, user\_id, app\_code, os\_version, is\_4g, is\_click, impression\_time\_before, and days\_between. The table contains 12 rows of data. At the bottom, a status bar indicates 'Number of records: 658319', 'Number of fields: 9', 'Query time: 1.069 second(s)', and a 'Read-Only' checkbox.

**SQL Query:**

```

1 SELECT imp.impressions_id,
2       imp.impressions_time,
3       imp.user_id,
4       imp.app_code,
5       imp.os_version,
6       imp.is_4g,
7       imp.is_click,
8       imp_before.impressions_time AS impression_time_before,
9       date_part('day', (imp.impressions_time - imp_before.impressions_time)) AS days_between
10 FROM impressions imp
11 JOIN impressions_imp_before ON imp.user_id = imp_before.user_id
12 WHERE imp.impressions_time > imp_before.impressions_time
13 AND date_part('day', (imp.impressions_time - imp_before.impressions_time)) <= (7);

```

**Query Results:**

	impressions_id	impressions_time	user_id	app_code	os_version	is_4g	is_click	impression_time_before	days_between
1	a5cdd4a0048b1877182fb9ce7a6a7	2018-11-15 01:22:00	25425	500	intermediate	1	0	2018-11-15 01:22:00	0
2	5f0f5e5f33945135b874349cfbd4fb9	2018-11-15 01:23:00	75369	386	intermediate	1	0	2018-11-15 01:23:00	0
3	da8ce53cf0240070cec6c9c48cd588ee	2018-11-15 01:35:00	27543	190	latest	1	0	2018-11-15 01:26:00	0
4	1905aedab9bf2477edc068a35bba31a	2018-11-15 01:36:00	25513	3	old	1	0	2018-11-15 00:04:00	0
5	d554f7b7be447267068a7dbf88ddd20	2018-11-15 01:42:00	74984	385	old	1	0	2018-11-15 01:36:00	0
6	3b3dbaf68507998acd6a5a254ab2d76	2018-11-15 01:53:00	65869	249	old	0	0	2018-11-15 00:37:00	0
7	98df58ab0dafbb86b083a001561bb34	2018-11-15 01:56:00	11125	129	latest	0	0	2018-11-15 01:54:00	0
8	8b5040a8a5baf3e0e67386c2e3a9b903	2018-11-15 02:09:00	89599	202	latest	0	0	2018-11-15 00:31:00	0
9	0d0871f0806eae32d30983b62252da50	2018-11-15 02:14:00	36606	242	latest	0	0	2018-11-15 02:00:00	0
10	d707329bece455a462b58ce0d1194c9	2018-11-15 02:22:00	78151	41	latest	0	0	2018-11-15 02:20:00	0
11	cc1aa436277138f61cda703991069eaf	2018-11-15 02:26:00	652	317	old	0	0	2018-11-15 01:04:00	0
12	7b13b2203029ed0833727127a9f1d28	2018-11-15 02:31:00	34031	190	intermediate	0	0	2018-11-15 00:11:00	0

Number of records: 658319    Number of fields: 9    Query time: 1.069 second(s)    ☒ Read-Only