

# Beginner steps to Start working on Tableau

1. Write a query to get all data from actors table when the sakila database is not selected.

The screenshot shows the Tableau interface with the 'sakila-schema' and 'sakila-data' tabs selected. The 'SQL File 6\*' tab is active, displaying the following query:

```
1 • Use sakila;
2 • select * from actor;
```

The 'Result Grid' tab is selected, showing the results of the query. The table has the following columns: actor\_id, first\_name, last\_name, and last\_update. The data is as follows:

actor_id	first_name	last_name	last_update
1	PENELOPE	GUINNESS	2006-02-15 04:34:33
2	NICK	WAHLBERG	2006-02-15 04:34:33
3	ED	CHASE	2006-02-15 04:34:33
4	JENNIFER	DAVIS	2006-02-15 04:34:33
5	JOHNNY	LOLLOBRIGIDA	2006-02-15 04:34:33
6	BETTE	NICHOLSON	2006-02-15 04:34:33
7	GRACE	MOSTEL	2006-02-15 04:34:33
8	MATTHEW	JOHANSSON	2006-02-15 04:34:33
9	JOE	SWANK	2006-02-15 04:34:33
10	CHRISTIAN	GABLE	2006-02-15 04:34:33
11	ZERO	CAGE	2006-02-15 04:34:33
12	KARL	BERRY	2006-02-15 04:34:33
13	UMA	WOOD	2006-02-15 04:34:33
14	VIVIEN	BERGEN	2006-02-15 04:34:33
15	CUBA	OLIVIER	2006-02-15 04:34:33
16	FRED	COSTNER	2006-02-15 04:34:33
17	HELEN	VOIGHT	2006-02-15 04:34:33
18	DAN	TORN	2006-02-15 04:34:33
19	BOB	FAWCETT	2006-02-15 04:34:33
20	LUCILLE	TRACY	2006-02-15 04:34:33
21	KIRSTEN	PALTROW	2006-02-15 04:34:33
22	ELVIS	MARX	2006-02-15 04:34:33

2. . Write a query to retrieve first and last name of actors.

The screenshot shows a SQL IDE interface with the following components:

- Navigator:** Displays a tree view of schemas. The 'sakila' schema is selected, showing tables like actor, address, category, city, country, customer, film, film\_actor, film\_category, film\_text, inventory, language, and payment.
- SQL Editor:** Contains the query: `1 • SELECT first_name, last_name from actor`.
- Result Grid:** Displays the results of the query in a table format. The table has two columns: 'first\_name' and 'last\_name'. The results list 20 actors.

first_name	last_name
PENELOPE	GUINNESS
NICK	WAHLBERG
ED	CHASE
JENNIFER	DAVIS
JOHNNY	LOLLOBRIGIDA
BETTE	NICHOLSON
GRACE	MOSTEL
MATTHEW	JOHANSSON
JOE	SWANK
CHRISTIAN	GABLE
ZERO	CAGE
KARL	BERRY
UMA	WOOD
VIVIEN	BERGEN
CUBA	OLIVIER
FRED	COSTNER
HELEN	VOIGHT
DAN	TORN
BOB	FAWCETT
LUCILLE	TRACY
KIRSTEN	PALTROW
ELVIS	MARX

3. Write a query to retrieve city\_id , city and country\_id from city table.

The screenshot shows a SQL IDE interface with a menu bar (File, Edit, View, Query, Database, Server, Tools, Scripting, Help) and a toolbar. The left sidebar contains a 'SCHEMAS' tree with 'sakila' selected, showing its tables. The main editor displays a query: `1 select city_id, city, country_id from city;`. Below the editor, the 'Result Grid' shows the query results in a table with columns 'city\_id', 'city', and 'country\_id'. The results list 22 cities and their corresponding IDs and country IDs.

city_id	city	country_id
1	A Corua (La Corua)	87
2	Abha	82
3	Abu Dhabi	101
4	Acua	60
5	Adana	97
6	Addis Abeba	31
7	Aden	107
8	Adoni	44
9	Ahmadnagar	44
10	Akshima	50
11	Akron	103
12	al-Ayn	101
13	al-Hawiya	82
14	al-Manama	11
15	al-Qadarif	89
16	al-Qatif	82
17	Alessandria	49
18	Allappuzha (Alleppu)	44
19	Allende	60
20	Almirante Brown	6
21	Alvorada	15
22	Ambattur	44

4. Write a query to retrieve category\_id, name, last\_update from category

The screenshot shows a MySQL query editor window. The query entered is:

```
1 select category_id, name, last_update from category;
```

The results are displayed in a grid below the query. The grid has three columns: `category_id`, `name`, and `last_update`. There are 16 rows of data, each representing a movie category. The last row shows `NULL` values for all three columns.

	category_id	name	last_update
▶	1	Action	2006-02-15 04:46:27
	2	Animation	2006-02-15 04:46:27
	3	Children	2006-02-15 04:46:27
	4	Classics	2006-02-15 04:46:27
	5	Comedy	2006-02-15 04:46:27
	6	Documentary	2006-02-15 04:46:27
	7	Drama	2006-02-15 04:46:27
	8	Family	2006-02-15 04:46:27
	9	Foreign	2006-02-15 04:46:27
	10	Games	2006-02-15 04:46:27
	11	Horror	2006-02-15 04:46:27
	12	Music	2006-02-15 04:46:27
	13	New	2006-02-15 04:46:27
	14	Sci-Fi	2006-02-15 04:46:27
	15	Sports	2006-02-15 04:46:27
	16	Travel	2006-02-15 04:46:27
•	NULL	NULL	NULL

5 . Write a query to retrieve `customer_id`, `amount` and `payment_date` from `payments`

sakila-schema sakila-data SQL File 6\* x

Limit to 1000 rows

```
1 select customer_id, amount, payment_date from payment;
```

Result Grid Filter Rows: Export: Wrap Cell Content: Fetch rows:

	customer_id	amount	payment_date
▶	1	2.99	2005-05-25 11:30:37
	1	0.99	2005-05-28 10:35:23
	1	5.99	2005-06-15 00:54:12
	1	0.99	2005-06-15 18:02:53
	1	9.99	2005-06-15 21:08:46
	1	4.99	2005-06-16 15:18:57
	1	4.99	2005-06-18 08:41:48
	1	0.99	2005-06-18 13:33:59
	1	3.99	2005-06-21 06:24:45
	1	5.99	2005-07-08 03:17:05
	1	5.99	2005-07-08 07:33:56
	1	4.99	2005-07-09 13:24:07
	1	4.99	2005-07-09 16:38:01
	1	7.99	2005-07-11 10:13:46
	1	2.99	2005-07-27 11:31:22
	1	4.99	2005-07-28 09:04:45
	1	4.99	2005-07-28 16:18:23
	1	0.99	2005-07-28 17:33:39
	1	0.99	2005-07-28 19:20:07
	1	2.99	2005-07-29 03:58:49
	1	2.99	2005-07-31 02:42:18
	1	4.99	2005-08-01 08:51:04

6. Write a query to retrieve firstname, lastname ,username, picture and password from staff, view the picture.

sakila-schema sakila-data SQL File 6\*

Limit to 1000 rows

```
1 select first_name, last_name ,username, picture, password from staff;
```

Result Grid

first_name	last_name	username	picture	password
Mike	Hillyer	Mike	BLOB	8cb2237d0679ca88db6464eac60da96345513964
Jon	Stephens	Jon	NULL	NULL

sakila-schema sakila-data SQL File 6\*

Limit to 1000 rows

```
1 select first_name, last_name ,username, picture, password from staff;
```

Form Editor

First\_name: Mike

Last\_name: Hillyer


Username: Mike

Picture: BLOB View...

Password: 8cb2237d0679ca88db64

Edit Data for picture (BLOB)

Binary Text Image



Data Length: 36365 bytes

Save... Close

7. Write a query to Select columns “city\_id” and “country\_id” from the table “city” which already exists in the “Sakila” database. (Observe the output when you execute the queries.)

sakila-schema sakila-data SQL File 6\* x

Limit to 1000 rows

```
1 select city_id, country_id from city;
```

Result Grid Filter Rows: Edit: Export/Import: Wrap Cell Content:

	city_id	country_id
▶	251	1
	59	2
	63	2
	483	2
	516	3
	67	4
	360	4
	493	5
	20	6
	43	6
	45	6
	128	6
	161	6
	165	6
	289	6
	334	6
	424	6
	454	6
	457	6
	524	6
	567	6
	586	7