

Step 2

Excel: 3

SQL: 3

I found it to be easy in both because there is a small amount of data, and I only retrieved data from one dataset

Step 3

1.

	payment_id [PK] integer	customer_id smallint	staff_id smallint	rental_id integer	amount numeric (5,2)	payment_date timestamp without time zone
1	17503	341	2	1520	7.99	2007-02-15 22:25:46.996577
2	17504	341	1	1778	1.99	2007-02-16 17:23:14.996577
3	17505	341	1	1849	7.99	2007-02-16 22:41:45.996577
4	17506	341	2	2829	2.99	2007-02-19 19:39:56.996577
5	17507	341	2	3130	7.99	2007-02-20 17:31:48.996577
6	17508	341	1	3382	5.99	2007-02-21 12:33:49.996577
7	17509	342	2	2190	5.99	2007-02-17 23:58:17.996577
8	17510	342	1	2914	5.99	2007-02-20 02:11:44.996577

2.

	table_catalog name	table_schema name	table_name name	table_type character varying	self_referencing_column_name name	reference_generation character varying
1	Rockbuster	public	film	BASE TABLE	[null]	[null]
2	Rockbuster	public	actor	BASE TABLE	[null]	[null]
3	Rockbuster	public	address	BASE TABLE	[null]	[null]
4	Rockbuster	public	category	BASE TABLE	[null]	[null]
5	Rockbuster	public	city	BASE TABLE	[null]	[null]
6	Rockbuster	public	country	BASE TABLE	[null]	[null]
7	Rockbuster	public	customer	BASE TABLE	[null]	[null]
8	Rockbuster	public	film_actor	BASE TABLE	[null]	[null]
9	Rockbuster	public	film_catego...	BASE TABLE	[null]	[null]
10	Rockbuster	public	inventory	BASE TABLE	[null]	[null]
11	Rockbuster	public	language	BASE TABLE	[null]	[null]
12	Rockbuster	public	rental	BASE TABLE	[null]	[null]
13	Rockbuster	public	staff	BASE TABLE	[null]	[null]
14	Rockbuster	public	store	BASE TABLE	[null]	[null]
15	Rockbuster	public	payment	BASE TABLE	[null]	[null]

3. In the side panel

4. 6 days

	rented for (in days) smallint	number of films bigint
1	5	191
2	7	191
3	3	203
4	4	203
5	6	212

Step 4

OLAP: determining which month people are most likely to rent films or which day of the week they are

OLTP: determining which movies are currently in stock or processing the return of a rental

Step 5

It is organized in a table, so the data is structured

Transaction Table:

Invoice_No	Item_No	Quantity	Description	Price_USD
2019001	001	01	New video collection licensing	750

Customer Table:

Last_Name	First_Name	Address	City	State
Walker	Timothy	40 Sheila La	Sparks	NY

Supplier Table:

Supplier_Name	Acct_Name	Acct_No	Address	City	State
Oaklanders	Miko Santo	4929331999575422	4826 Norma Avenue	Anderson	TX