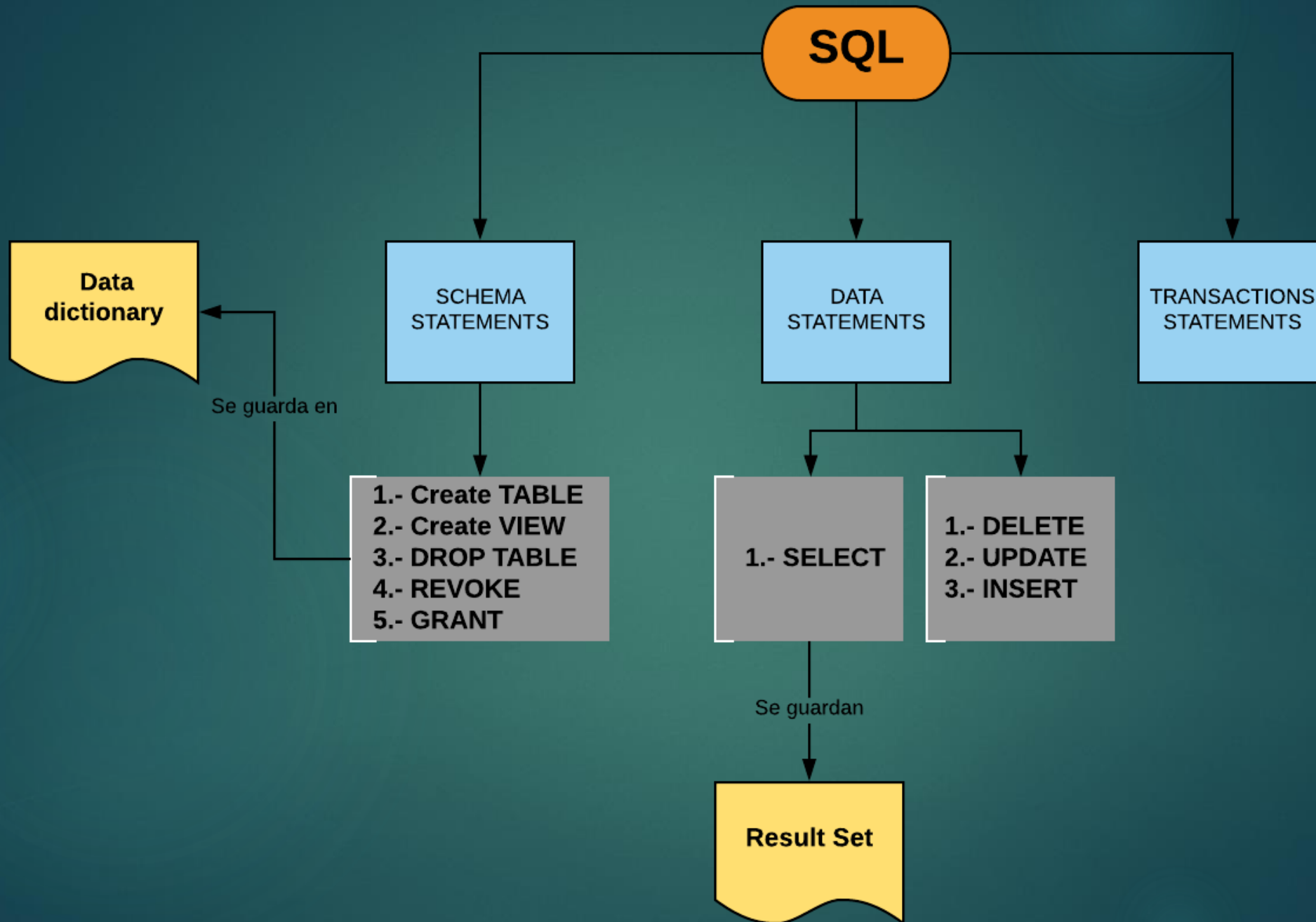


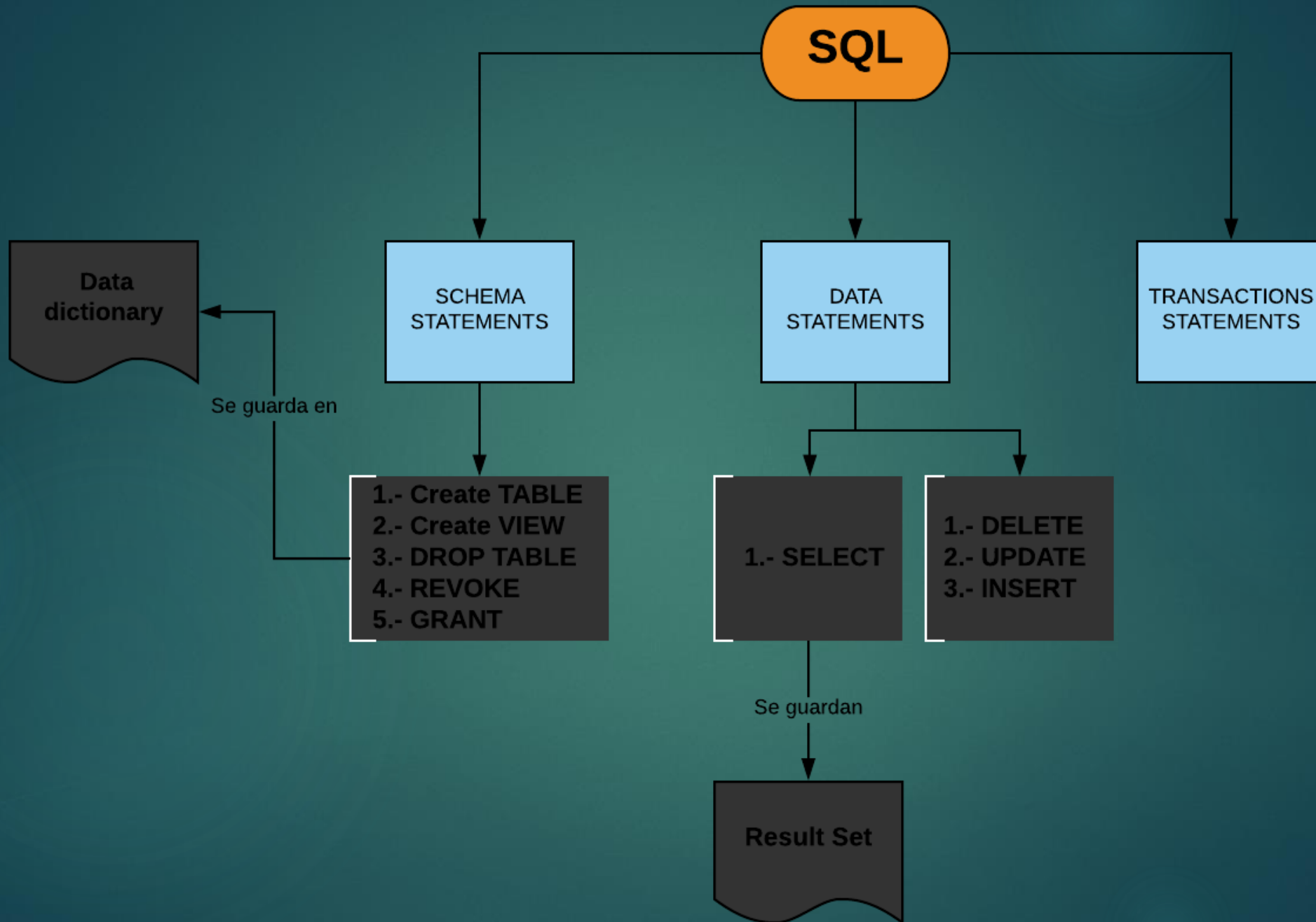
ABSTRACCION Y ENCAPSULACION



Abstracción

- ▶ es la que permite separar a los objetos en partes y comprender lo esencial de cada una de ellas





SQL STATEMENTS

Un **Statement** es cualquier texto que la base de datos reconozca como un comando valido


El lenguaje SQL esta dividido en distintas partes las mas prominentes son 3

Schema statements

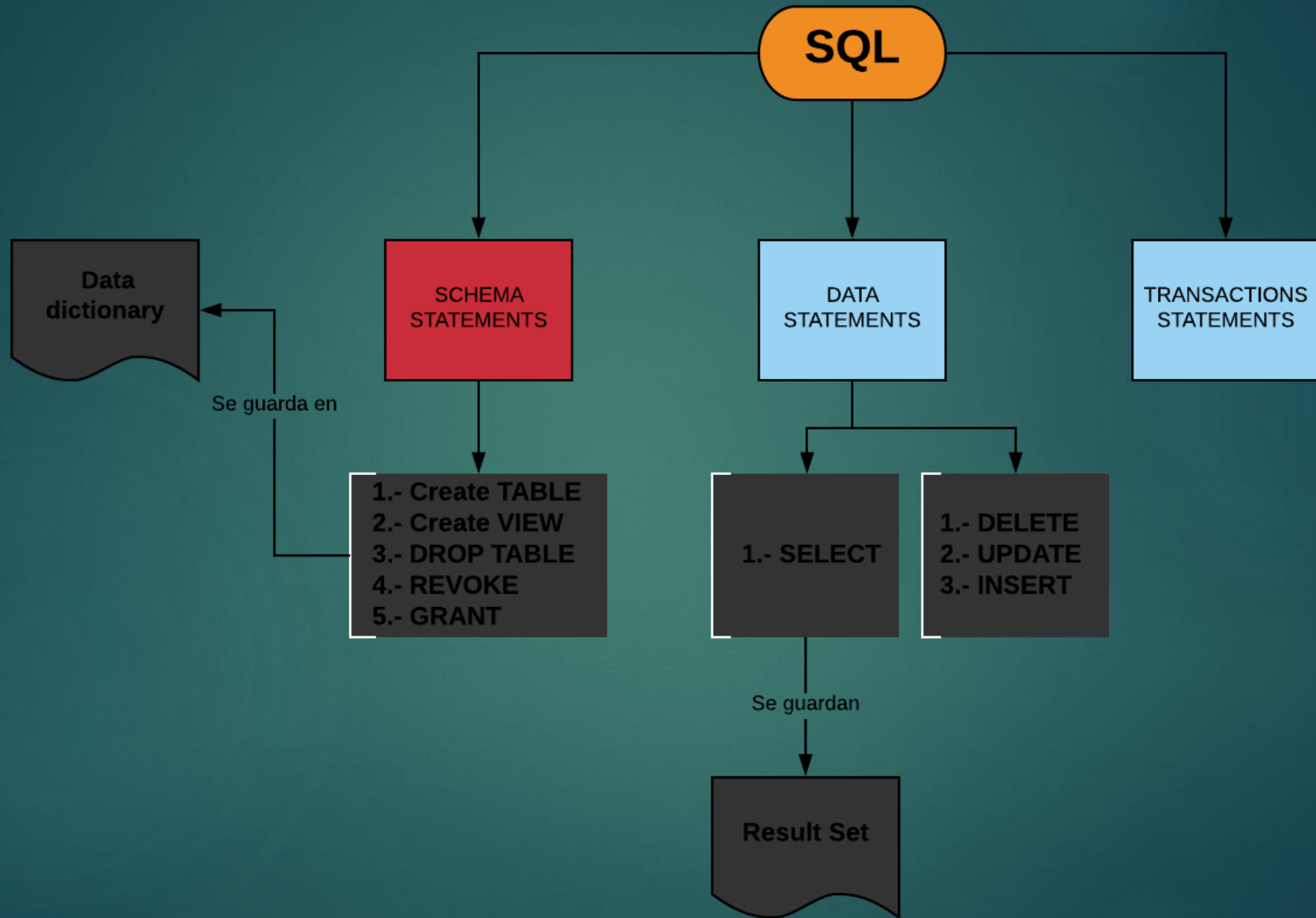
Data statements

Transaction statements

EJEMPLO:

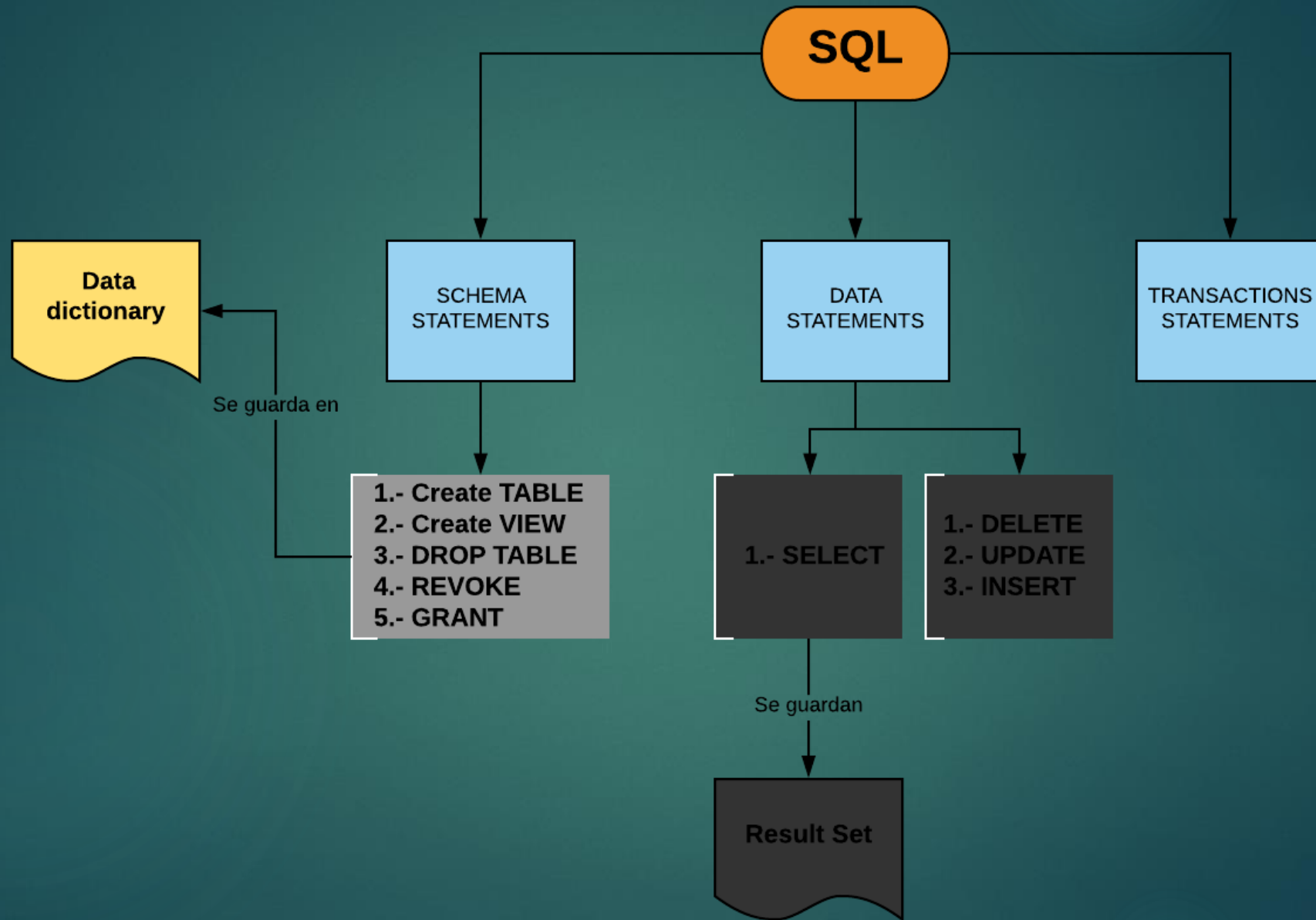


```
▶ CREATE TABLE corporation
▶ (
▶   id SMALLINT ,
▶   name VARCHAR(30),
▶   CONSTRAINT pk_corporation
▶     PRIMARY KEY (corp_id)
▶ );
```



SCHEMA STATEMENTS o Data Definition Language

- ▶ Son usados para definir la estructura de datos guardados en la base.
- ▶ CREATE TABLE
- ▶ CREATE VIEW
- ▶ DROP TABLE
- ▶ REVOKE
- ▶ GRANT
- ▶ Todos estos son conocidos como **metadatos** y son guardados en un lugar de la base de datos llamada data dictionary



```
SELECT *  
FROM information_schema.tables  
WHERE table_name LIKE '%Cust%'
```

100 %























































Results

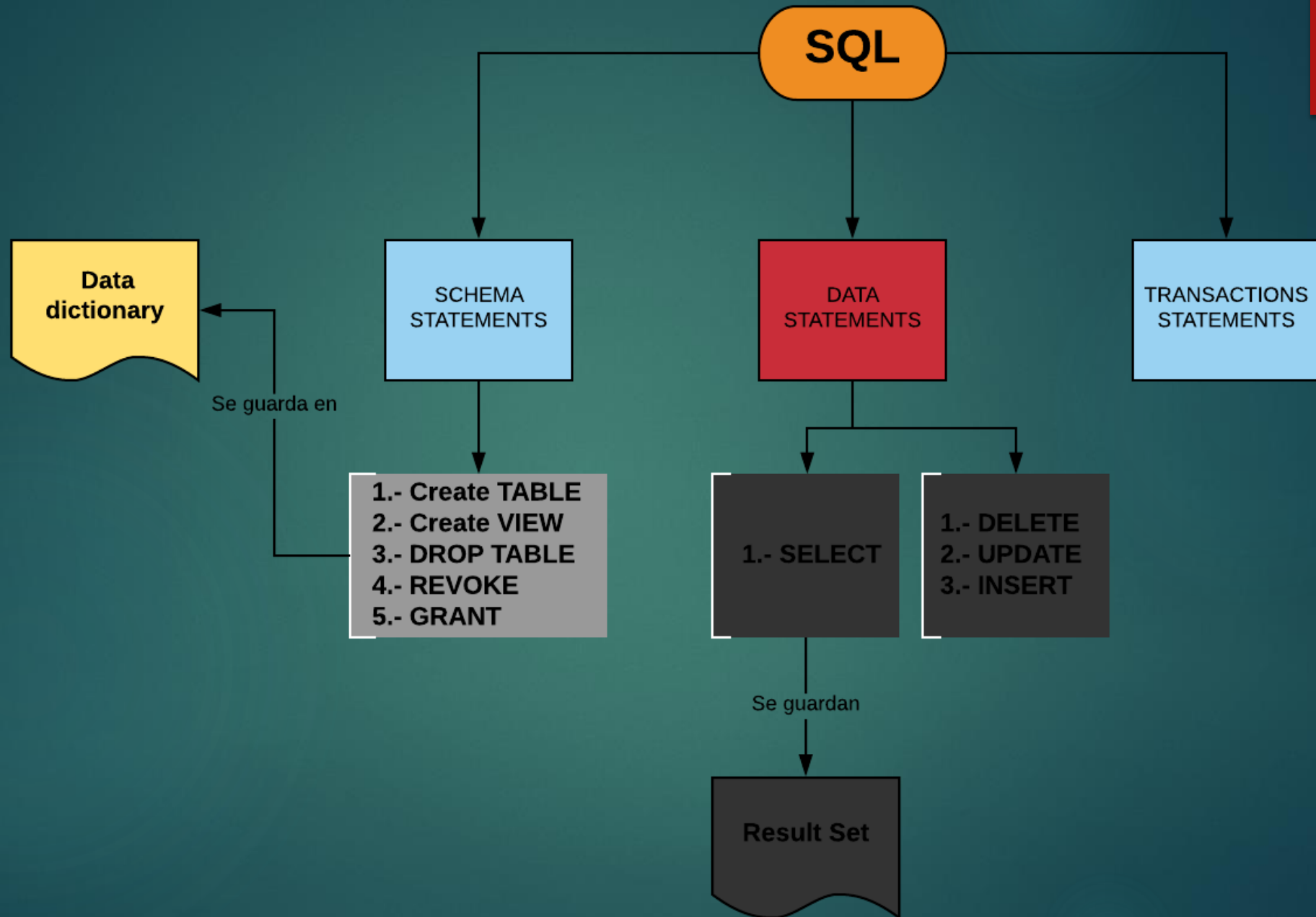


Messages

	TABLE_CATALOG	TABLE_SCHEMA	TABLE_NAME	TABLE_TYPE
1	SqlHintsDemoDB	dbo	Customers	BASE TABLE
2	SqlHintsDemoDB	dbo	CustomerOrders	BASE TABLE

	Table	Action	Records 	Type	Collation
<input type="checkbox"/>	CHARACTER_SETS	  	~36 ¹	View	utf8_general_ci
<input type="checkbox"/>	COLLATIONS	  	~126 ¹	View	utf8_general_ci
<input type="checkbox"/>	COLLATION_CHARACTER_SET_APPLICABILITY	  	~126 ¹	View	utf8_general_ci
<input type="checkbox"/>	COLUMNS	  	~2,623 ¹	View	utf8_general_ci
<input type="checkbox"/>	COLUMN_PRIVILEGES	  	~0 ¹	View	utf8_general_ci
<input type="checkbox"/>	KEY_COLUMN_USAGE	  	~373 ¹	View	utf8_general_ci
<input type="checkbox"/>	PROFILING	  	~0 ¹	View	utf8_general_ci
<input type="checkbox"/>	ROUTINES	  	~0 ¹	View	utf8_general_ci
<input type="checkbox"/>	SCHEMATA	  	~12 ¹	View	utf8_general_ci
<input type="checkbox"/>	SCHEMA_PRIVILEGES	  	~28 ¹	View	utf8_general_ci
<input type="checkbox"/>	STATISTICS	  	~733 ¹	View	utf8_general_ci
<input type="checkbox"/>	TABLES	  	~331 ¹	View	utf8_general_ci
<input type="checkbox"/>	TABLE_CONSTRAINTS	  	~308 ¹	View	utf8_general_ci
<input type="checkbox"/>	TABLE_PRIVILEGES	  	~0 ¹	View	utf8_general_ci
<input type="checkbox"/>	TRIGGERS	  	~0 ¹	View	utf8_general_ci
<input type="checkbox"/>	USER_PRIVILEGES	  	~77 ¹	View	utf8_general_ci
<input type="checkbox"/>	VIEWS	  	~16 ¹	View	utf8_general_ci
	17 table(s)	Sum	~4,789	InnoDB	utf8_general_ci

Databases schema
names in this table



DATA STATEMENTS O Data Manipulation Language

- ▶ Con estos accedemos y manipulamos datos en schemas existentes.
- ▶ SELECT
- ▶ DELETE
- ▶ UPDATE
- ▶ INSERT
- ▶ Un SELECT es una forma limitada de estos por que solo accesa a los datos y no los manipula.

The SQL SELECT Statement

- ▶ El Statement SELECT es usado para seleccionar información de la base de datos.
- ▶ Los datos retornados son guardados en una tabla llamada

▶ Result-set

CustomerID	CustomerName	ContactName	Address	City	PostalCode	Country
1	Alfreds Futterkiste	Maria Anders	Obere Str. 57	Berlin	12209	Germany
2	Ana Trujillo Emparedados y helados	Ana Trujillo	Avda. de la Constitución 2222	México D.F.	05021	Mexico
3	Antonio Moreno Taquería	Antonio Moreno	Mataderos 2312	México D.F.	05023	Mexico
4	Around the Horn	Thomas Hardy	120 Hanover Sq.	London	WA1 1DP	UK
5	Berglunds snabbköp	Christina Berglund	Berguvsvägen 8	Luleå	S-958 22	Sweden

