

# Tecnicatura Universitaria en Desarrollo de Aplicaciones Informáticas (TUDAI)

Base de Datos

**Vertabelo**

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# Vertabelo

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WEB BASED

## Data Modeler for Professionals

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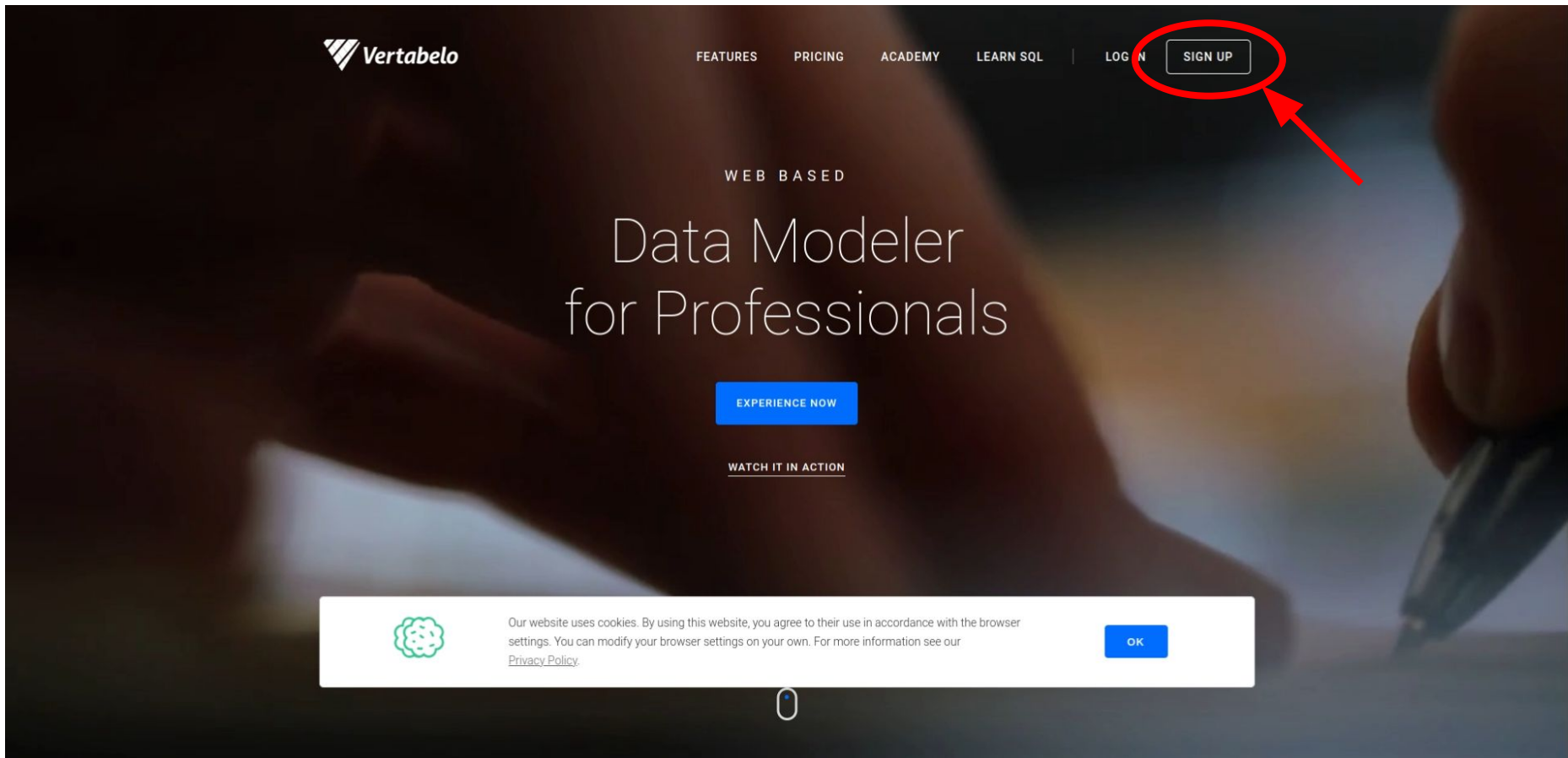
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## Create an Academic Account

Academic Accounts are intended for educational purposes only. They are granted to students and lecturers learning or teaching database design.

Please, keep in mind that even if you're a faculty member you're not allowed to use this account for any other purpose than teaching database modeling. Also, this account isn't meant for non-profit organizations or start-ups.

First name:

Last name:

Status:

☐ Lecturer ☒ Student

Academic institution:

A full name of your university, institute or college

Website:

Web address of your academic institution

Course title:

e.g. Database Modeling and Design

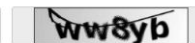
Email:

Your email address with university's domain

Password:

Retype password:

Type the characters you see in the picture:



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e.g. Database Modeling and Design

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Your email address with university's domain

Password:

Retype password:


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  **Iris Figini**  
Iris Figini

**Vertabelo**

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Verificar mail!

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Confirm

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Email:

Password:  

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Vertabelo

Documents

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My Vertabelo

Shared

Recent

Trash

My Vertabelo

NAME	OWNERS	LAST MODIFIED	SIZE
MySQL demo physical data model	Iris Figini	2024-03-15 13:28	69 KB
Sample SQL script	Iris Figini	2024-03-15 13:28	666 bytes

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Activity





Details












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Vertabelo Documents

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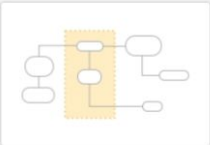
- Shared
- Recent
- Trash

NAME

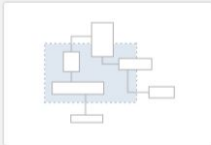
- MySQL demo physical
- Sample SQL script

Create new document

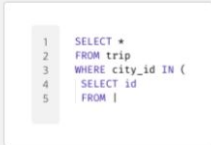
Choose a document type



Logical data model



Physical data model



```
1 SELECT *
2 FROM trip
3 WHERE city_id IN (
4   SELECT id
5   FROM )
```

SQL script

Next

My Vertabelo

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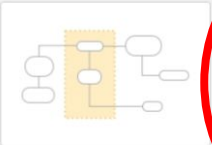
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NAME

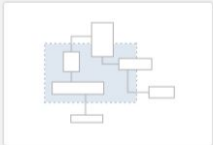
- MySQL demo physical
- Sample SQL script

Create new document

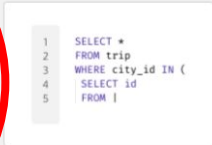
Choose a document type



Logical data model



Physical data model



SQL script

Next

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My Vertabelo NAME MySQL demo physical Sample SQL script

### New physical data model

Complete the form

Name   
Please provide model name

Database engine

 PostgreSQL 13	 IBM DB2 9.7	 ORACLE Oracle Database 21c	 Microsoft SQL Server 2019
 MySQL 8.x	 HypersQL HSQLDB 2.3.x	 SQLite 3.x	 Amazon Redshift
 BigQuery	 Snowflake		

Content ☒ Empty ☐ Example ☐ From SQL ☐ From XML

Cancel Start modeling

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NAME

MySQL demo physical

Sample SQL script

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69 KB

666 bytes

**New physical data model**

Complete the form

Name Ejemplo

Database engine

PostgreSQL 13

IBM DB2 9.7

Oracle Database 21c

Microsoft SQL Server 2019

MySQL 8.x

HypersQL HSQLDB 2.3.x

SQLite 3.x

Amazon Redshift

Google BigQuery

Snowflake

Content

☒ Empty ☐ Example ☐ From SQL ☐ From XML

Start working with an empty diagram.

Cancel

Start modeling





# Vertabelo

Vertabelo interface showing a database model editor. The top bar includes navigation icons, a search bar, and user information (Iris Flgini). The left sidebar shows the **MODEL STRUCTURE** tree with **Table\_1** selected. The main canvas displays a diagram of **Table\_1**. A red circle highlights the **Table** icon in the top toolbar, with a red arrow pointing to it. The right sidebar shows the **TABLE PROPERTIES** panel for **Table\_1**, including fields for Name, Comment, and a list of columns with an **Add column** button. Below this are sections for **Primary key**, **Alternate (unique) keys**, **Indexes**, **Checks**, **Additional SQL scripts**, **Additional properties**, and **Format**. The bottom right corner shows **TABLE ISSUES** with **Errors (1)** and **Warnings (1)**.

**MODEL STRUCTURE**

- Model
  - Tables
    - Table\_1
  - References
  - Sequences
  - Text notes
  - Views

**TABLE PROPERTIES**

**General**

Name: Table\_1

Comment:

**Columns**

+ Add column

**Primary key** +

**Alternate (unique) keys** +

**Indexes** +

**Checks** +

**Additional SQL scripts** +

**Additional properties** +

**Format** +

**TABLE ISSUES**

**Errors (1)**

Table must have at least one column.

**Warnings (1)**

You should change default table name.



# Vertabelo

## *Ejercicio:*

Crear la tabla cliente con las columnas de identificador, nombre, apellido, fecha de nacimiento, dirección y teléfono. Por último, generar el script de código SQL.



# Vertabelo

Vertabelo Ejemplo Edit mode

MODEL STRUCTURE

- Model
  - Tables
  - References
  - Sequences
  - Text notes
  - Views

LearnSQL

TABLE PROPERTIES

General

Name: Cliente

Comment:

Columns

Name	Type	N	PK
id_cliente	int		<input checked="" type="checkbox"/>
apellido	varchar(100)		<input type="checkbox"/>
nombre	varchar(100)		<input type="checkbox"/>
fecha_nacimiento	date		<input type="checkbox"/>
direccion	varchar(80)		<input type="checkbox"/>
telefono	varchar(20)		<input type="checkbox"/>

+ Add column

Primary key +

Alternate (unique) keys +

TABLE ISSUES

- Errors (0)
- Warnings (0)
- Hints (0)



# Vertabelo

**MODEL STRUCTURE**

- Model
  - Tables
  - References
  - Sequences
  - Text notes
  - Views

**MODEL EXPLORER**

**ISSUES**

**LearnSQL**

**TABLE PROPERTIES**

**General**

Name: Cliente

Comment:

**Columns**

Name	Type	N	PK
id_cliente	int		<input checked="" type="checkbox"/>
apellido	varchar(100)		<input type="checkbox"/>
nombre	varchar(100)		<input type="checkbox"/>
fecha_nacimiento	date		<input type="checkbox"/>
direccion	varchar(80)		<input type="checkbox"/>
telefono	varchar(20)		<input type="checkbox"/>

**Primary key**

**Alternate (unique) keys**

**TABLE ISSUES**

- Errors (0)
- Warnings (0)
- Hints (0)



# Vertabelo

Vertabelo Ejemplo Edit mode

MODEL STRUCTURE

- Model
  - Tables
    - Cliente
  - References
  - Sequences
  - Text notes
  - Views

Generate SQL Script

I want to generate ☒ Create ☐ Drop

For following elements ☒ Tables ☒ References ☒ Sequences ☒ Views

☐ Materialized views ☒ Procedures ☐ External tables

Only selected elements ☐

Close

Generate

SQL preview

	Type	N	PK
	Int		<input checked="" type="checkbox"/>
	varchar(100)		<input checked="" type="checkbox"/>
nombre	varchar(100)		<input checked="" type="checkbox"/>
fecha_nacimiento	date		<input checked="" type="checkbox"/>
direccion	varchar(80)		<input type="checkbox"/>
telefono	varchar(20)		<input type="checkbox"/>

+ Add column

Primary key +

Alternate (unique) keys +

TABLE ISSUES

- Errors (0)
- Warnings (0)
- Hints (0)





# Vertabelo

Vertabelo Ejemplo Edit mode

MODEL STRUCTURE

- Model
  - Tables
    - Ciente
  - References
  - Sequences
  - Text notes
  - Views

Generate SQL Script

I want to generate ☒ Create ☐ Drop

For following elements ☒ Tables ☒ References ☒ Sequences ☒ Views

☐ Materialized views ☒ Procedures ☐ External tables

Only selected elements ☐

Generated file

Ejemplo\_create.sql

[Download](#) [Save](#)

[Close](#) [Generate](#)

SQL preview

Type	N	PK
int		<input checked="" type="checkbox"/>
varchar(100)		<input checked="" type="checkbox"/>
varchar(100)		<input checked="" type="checkbox"/>
date		<input checked="" type="checkbox"/>
varchar(80)		
varchar(20)		

+ Add column

Primary key +

Alternate (unique) keys +

TABLE ISSUES

- Errors (0)
- Warnings (0)
- Hints (0)