

# G30

# 14/06/2024



## Sistema de Gestión Escolar Simple (SGES)

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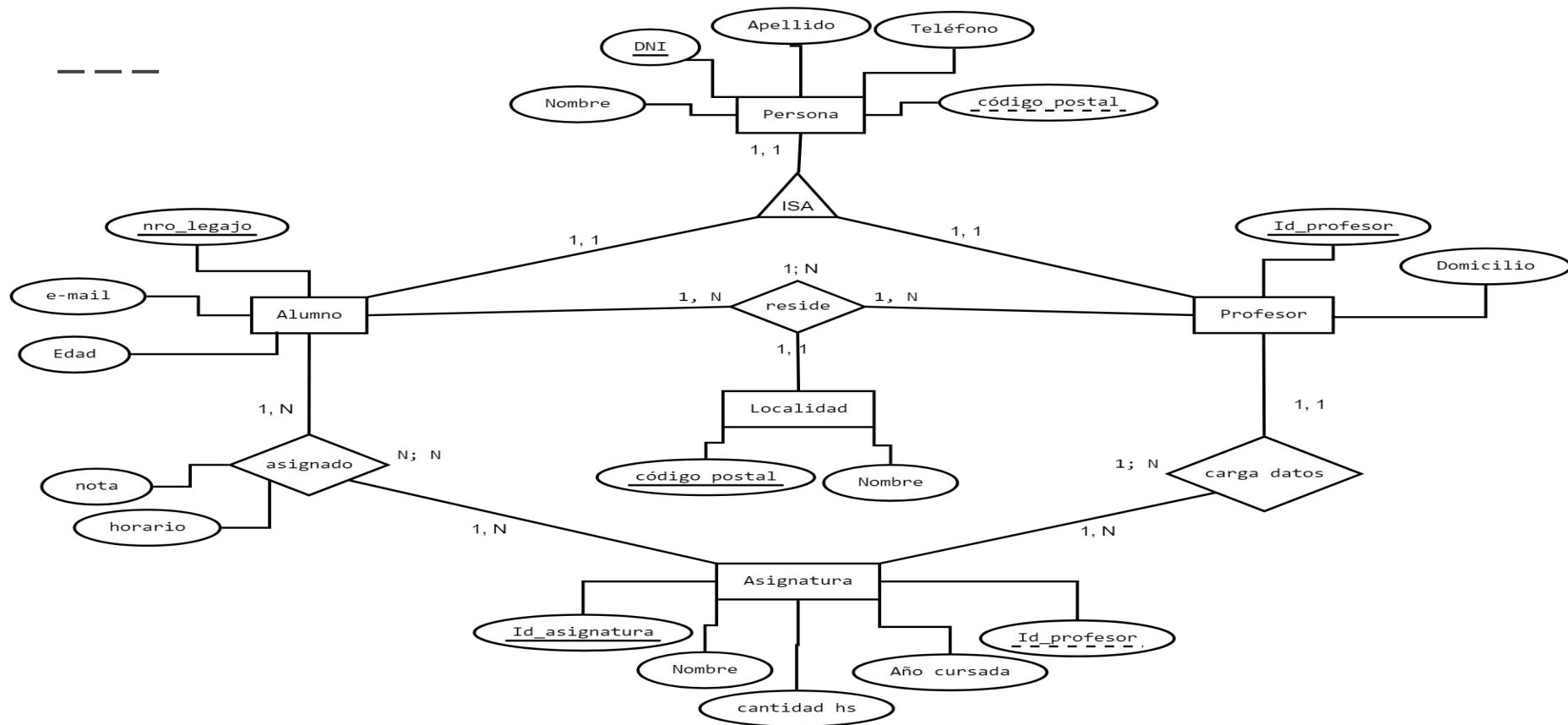
Pablo Javier Vaz Torres, p.j.vaztorres@gmail.com | <https://github.com/PJVT> (1a evidencia, 3a evidencia)

Juan Villarreal, vin197172@gmail.com | <https://github.com/Jmv315> (1a evidencia, 2a evidencia)

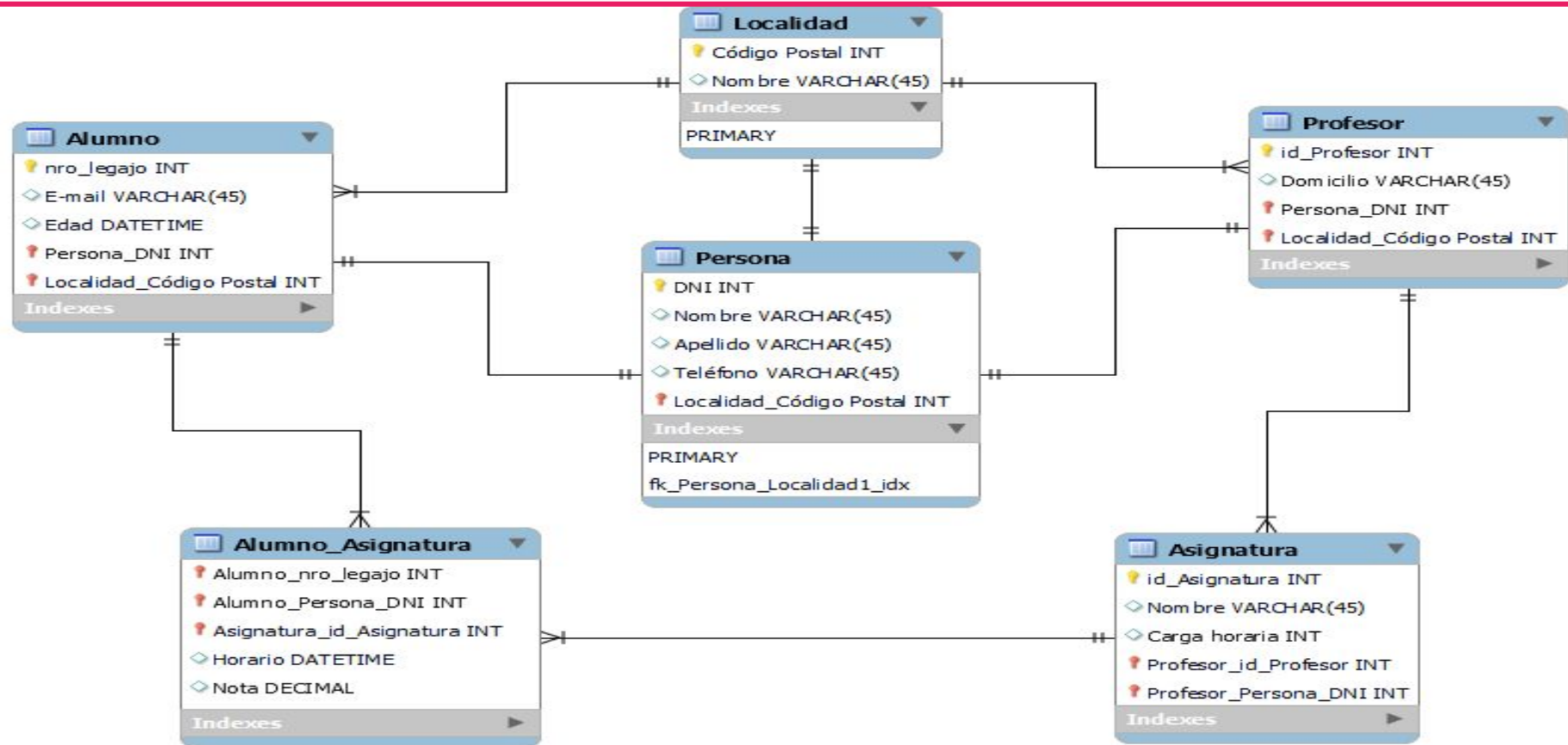
Lourdes Ferreyra Farias, 41756661, lourdesferreyrafarias@gmail.com | <https://github.com/Lourdes00>

Yesica Pesqueira, Yesica.Pesqueira@gmail.com | <https://github.com/yesicapesqueira20>

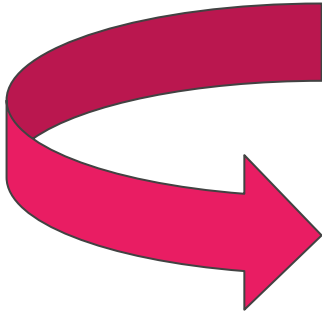
# Diagrama Entidad Relación (DER)



# Diagrama Crow Foot



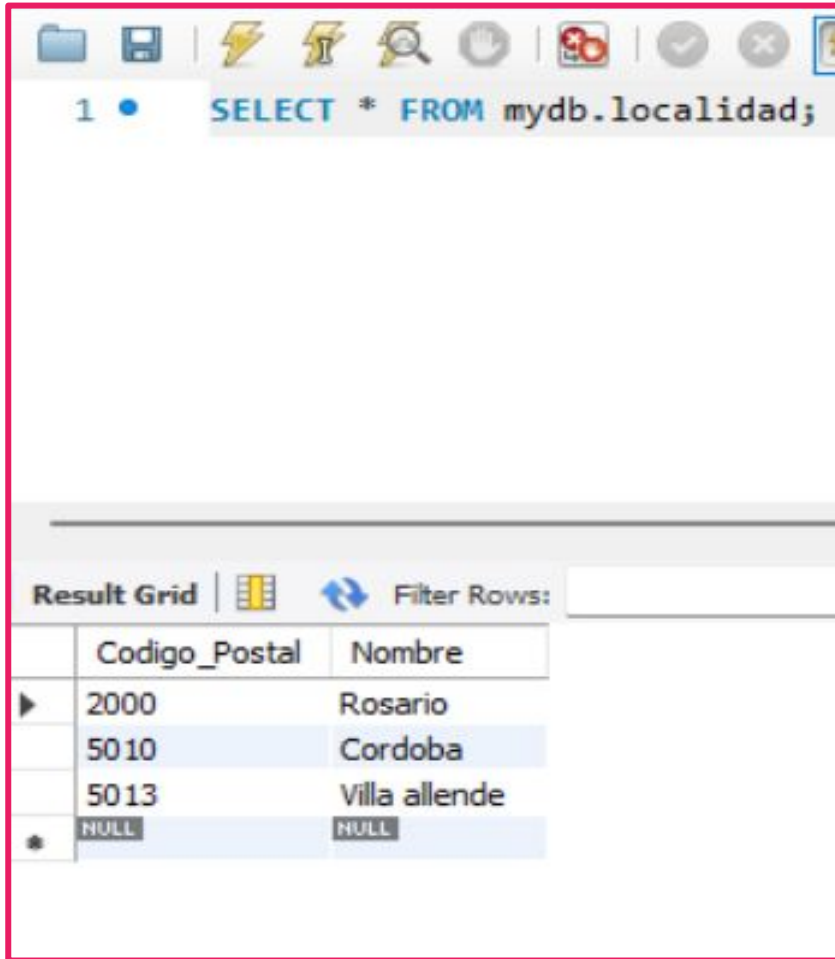
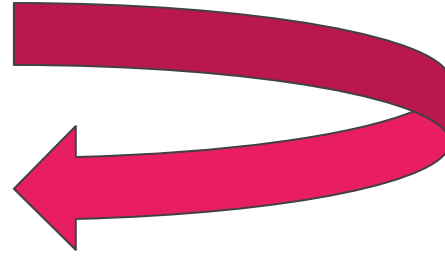
# Tabla ALUMNO en MySQL Workbench



The screenshot shows the MySQL Workbench interface. At the top, there is a toolbar with various icons. Below the toolbar, the SQL editor contains the query: `SELECT * FROM mydb.alumno;`. The query is numbered 1. To the right of the query, there is a dropdown menu set to "Limit to 1000 rows". Below the SQL editor, there is a "Result Grid" section. It includes a "Filter Rows:" input field, an "Edit:" button, and an "Export/Import:" button. The main area of the Result Grid displays a table with the following data:

	nro_legajo	E-mail	Edad	Persona_DNI	Localidad_Código Postal
▶	135573808	yesica.pesqueira@gmail.com	33	35573808	5010
	241756661	lourdesferreyrafarias@gmail.com	25	41756661	2000
	330331023	celemontivero2@gmail.com	34	30331023	5013
*	NULL	NULL	NULL	NULL	NULL

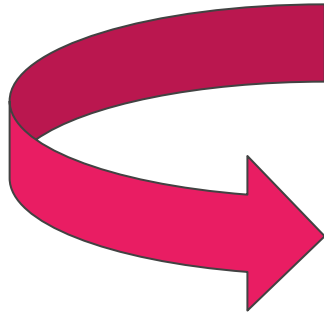
## Tabla LOCALIDAD en MySQL Workbench



The screenshot displays the MySQL Workbench interface. At the top, a toolbar contains icons for file operations, execution, and navigation. Below the toolbar, a SQL editor window shows the query: `1 • SELECT * FROM mydb.localidad;`. The bottom section of the interface is the 'Result Grid', which includes a 'Filter Rows' input field. The grid displays the results of the query in a table format with two columns: 'Codigo\_Postal' and 'Nombre'.

	Codigo_Postal	Nombre
▶	2000	Rosario
	5010	Cordoba
	5013	Villa allende
*	NULL	NULL

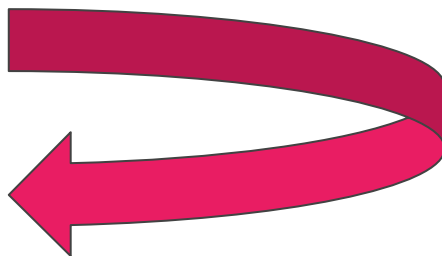
# Tabla PERSONA en MySQL Workbench



The screenshot shows the MySQL Workbench interface. At the top, a toolbar contains various icons for file operations, execution, and navigation. Below the toolbar, a SQL editor displays the query: `SELECT * FROM mydb.persona;`. The 'Limit to 1000 rows' option is visible in the top right corner. Below the query editor, the 'Result Grid' tab is active, showing a table of results. The table has six columns: DNI, Nombre, Apellido, Teléfono, and Localidad\_Cód Postal. There are six rows of data, including a row with NULL values. The interface also includes a 'Filter Rows' field, an 'Edit' button, and an 'Export/Import' button.

	DNI	Nombre	Apellido	Teléfono	Localidad_Cód Postal
▶	11111111	profe dos	profesor	3512222222	5013
	22222222	profe uno	profesor	3511111111	5013
	30331023	Celeste	alumnodos	3519876543	5013
	35573808	Yesica Pesqueira	Pesqueira	3518669970	5010
	41756661	Lourdes	alumnouno	3511234567	2000
*	NULL	NULL	NULL	NULL	NULL

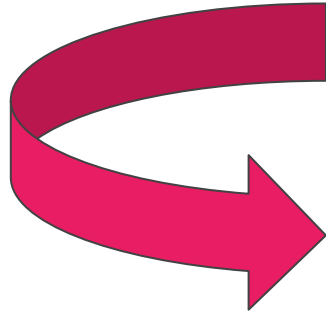
## Tabla PROFESOR en MySQL Workbench



The screenshot shows the MySQL Workbench interface. At the top, there is a toolbar with various icons. Below it, a SQL editor contains the query: `1 • SELECT * FROM mydb.profesor;`. Below the editor is the 'Result Grid' tab, which displays the results of the query in a table format. The table has four columns: 'id\_Profesor', 'Domicilio', 'Persona\_DNI', and 'Localidad\_Postal'. There are three rows of data: a row with id 10, a row with id 20, and a row with NULL values. The first two rows are highlighted in light blue.

	id_Profesor	Domicilio	Persona_DNI	Localidad_Postal
▶	10	cordoba	11111111	5013
	20	Villa allende	22222222	5013
*	NULL	NULL	NULL	NULL

# Tabla ASIGNATURA en MySQL Workbench



The screenshot shows the MySQL Workbench interface. At the top, a toolbar contains various icons for file operations, execution, and navigation. Below the toolbar, a SQL editor displays the query: `SELECT * FROM mydb.asignatura;`. The 'Limit to 1000 rows' dropdown is set to 1000. Below the query editor, the 'Result Grid' tab is active, showing the results of the query. The grid has a toolbar with icons for filtering, editing, and exporting. The results are displayed in a table with the following columns: `id_Asignatura`, `Nombre`, `Carga horaria`, `Profesor_id_Profesor`, and `Profesor_Person`. The table contains three rows: a row with `id_Asignatura` 100, `Nombre` 'Matematica', `Carga horaria` 4, `Profesor_id_Profesor` 10, and `Profesor_Person` 11111111; a row with `id_Asignatura` 200, `Nombre` 'Programacion', `Carga horaria` 6, `Profesor_id_Profesor` 20, and `Profesor_Person` 22222222; and a row with `id_Asignatura` NULL, `Nombre` NULL, `Carga horaria` NULL, `Profesor_id_Profesor` NULL, and `Profesor_Person` NULL.

	id_Asignatura	Nombre	Carga horaria	Profesor_id_Profesor	Profesor_Person
▶	100	Matematica	4	10	11111111
	200	Programacion	6	20	22222222
*	NULL	NULL	NULL	NULL	NULL



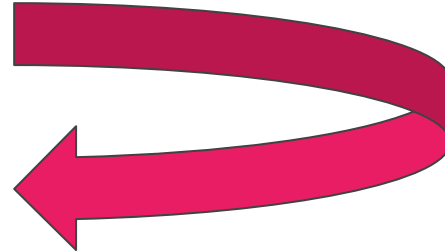


```
1 • SELECT * FROM mydb.alumno_asignatura;
```

Result Grid | Filter Rows: | Edit: | Export/Import:

Alumno_nro_legajo	Alumno_Persona_DNI	Asignatura_id_Asignatura	Horario	Nota
135573808	35573808	100	10:00	8
241756661	41756661	200	11:00	8
330331023	30331023	100	10:00	7
NULL	NULL	NULL	NULL	NULL

## Tabla ALUMNO\_ASIGNATURA en MySQL Workbench



# Consulta N° 1: Una sola tabla con WHERE

InstitucionBD\* alumno persona x

Limit to 1000 rows

```
1 • SELECT * FROM persona where Nombre = "profe uno"
2
```

Result Grid

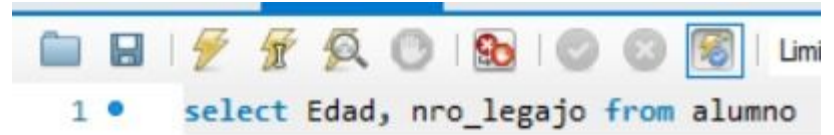
Filter Rows:

Edit:

Export/Import:

	DNI	Nombre	Apellido	Teléfono	Localidad_Código Postal
▶	22222222	profe uno	profesor	3511111111	5013
*	NULL	NULL	NULL	NULL	NULL

# Consulta N° 2: Una sola tabla mostrando una sola columna

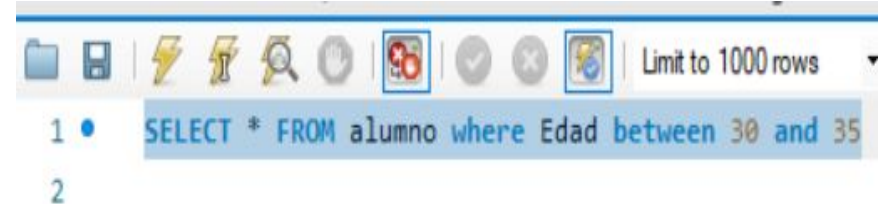


A screenshot of a database result grid. The grid has two columns: 'Edad' and 'nro\_legajo'. The first row is highlighted in blue. The second row is highlighted in light blue. The third row is highlighted in light blue. The fourth row is highlighted in light blue. The grid is titled 'Result Grid' and has a 'Filter Rows' input field and an 'Export' button.

	Edad	nro_legajo
▶	33	135573808
	25	241756661
	34	330331023

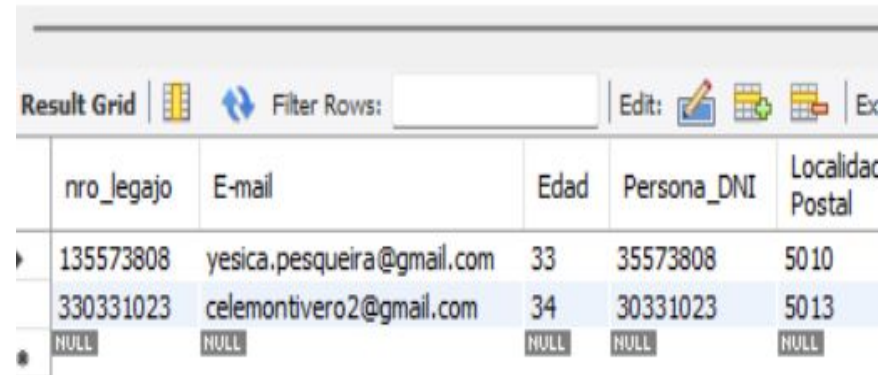
# Consulta N° 3:




## Una consulta usando WHERE Y BETWEEN



```
1 • SELECT * FROM alumno where Edad between 30 and 35
2
```

The screenshot shows a SQL query editor interface. The query is: `SELECT * FROM alumno where Edad between 30 and 35`. The interface includes a toolbar with icons for file operations, execution, and a 'Limit to 1000 rows' dropdown menu.

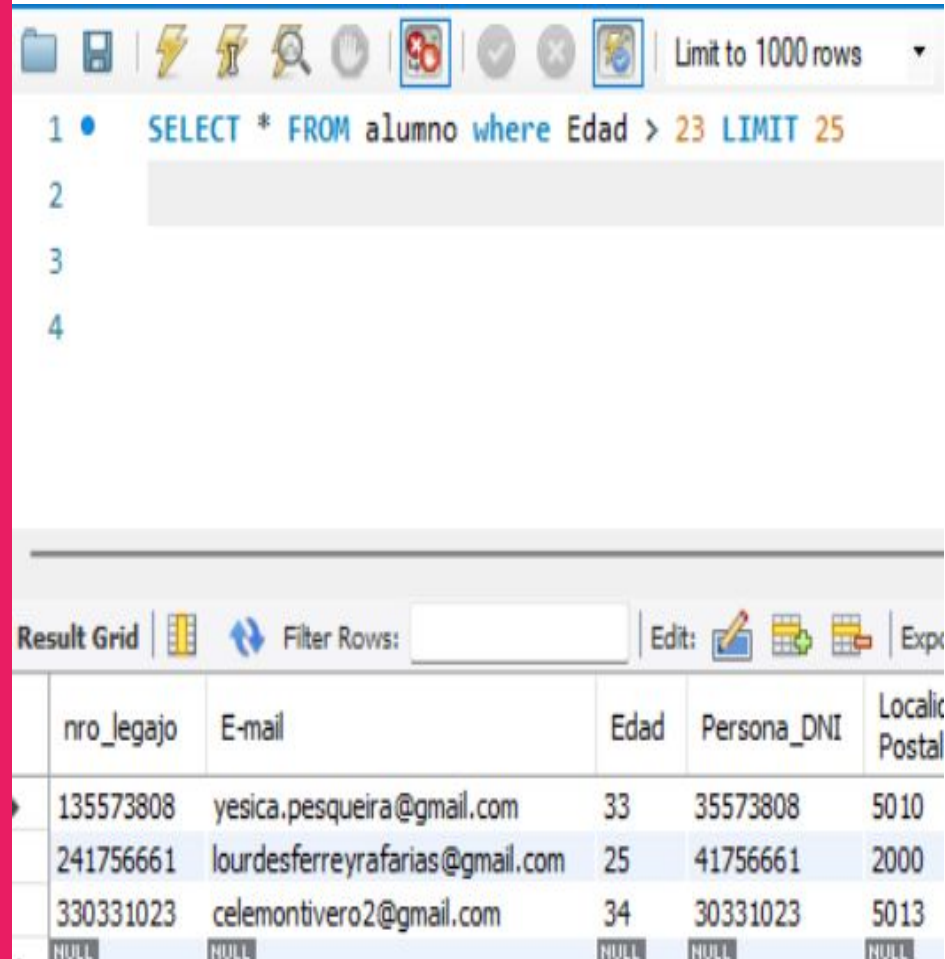


Result Grid					
Filter Rows: <input type="text"/>					
Edit:    Ex					
	nro_legajo	E-mail	Edad	Persona_DNI	Localidad Postal
▶	135573808	yesica.pesqueira@gmail.com	33	35573808	5010
	330331023	celemontivero2@gmail.com	34	30331023	5013
*	NULL	NULL	NULL	NULL	NULL

The screenshot shows a 'Result Grid' window displaying the results of the SQL query. The grid has columns for 'nro\_legajo', 'E-mail', 'Edad', 'Persona\_DNI', and 'Localidad Postal'. The results show two rows of data and a row with NULL values.

# CONSULTA N° 4

Consulta de una sola tabla  
con WHERE utilizando LIMIT



The screenshot displays a database management tool interface. At the top, a toolbar contains icons for file operations, execution, and search. A dropdown menu on the right is set to "Limit to 1000 rows". The main area shows a SQL query in a text editor:

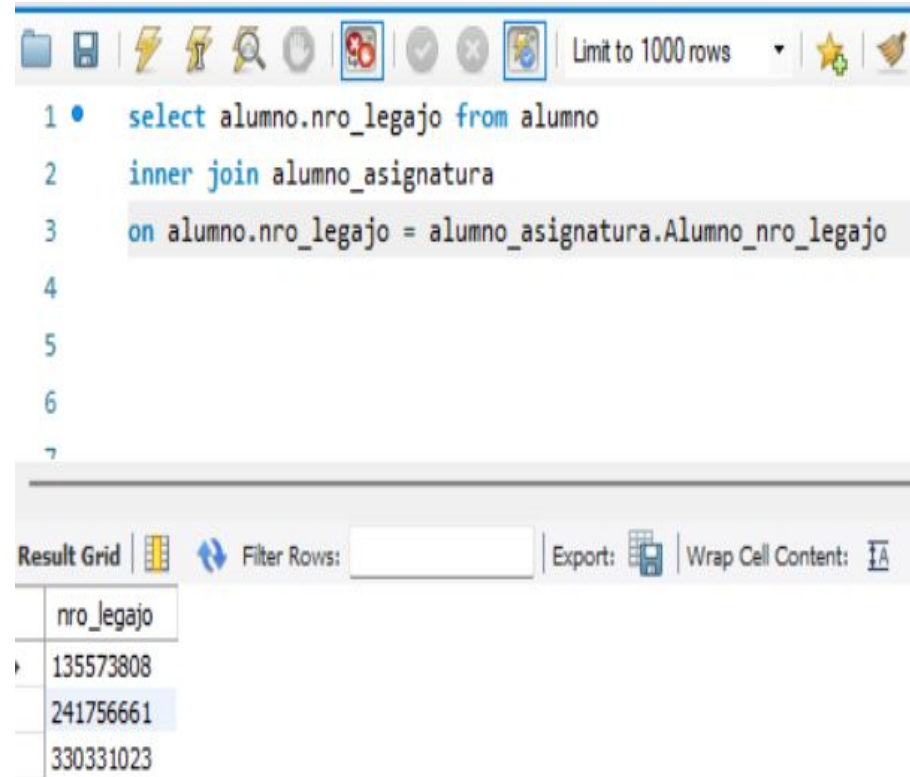
```
1 • SELECT * FROM alumno where Edad > 23 LIMIT 25
```

Below the query editor, a "Result Grid" tab is active, showing the results of the query. The grid has five columns: "nro\_legajo", "E-mail", "Edad", "Persona\_DNI", and "Localidad Postal". The results are as follows:

nro_legajo	E-mail	Edad	Persona_DNI	Localidad Postal
135573808	yesica.pesqueira@gmail.com	33	35573808	5010
241756661	lourdesferreyrafarías@gmail.com	25	41756661	2000
330331023	celemontivero2@gmail.com	34	30331023	5013
NULL	NULL	NULL	NULL	NULL

# Consulta N° 5

Consulta de más de una  
tabla con INNER JOIN



The screenshot displays a database query editor interface. The top toolbar includes icons for file operations, execution, and a 'Limit to 1000 rows' dropdown. The SQL query is as follows:

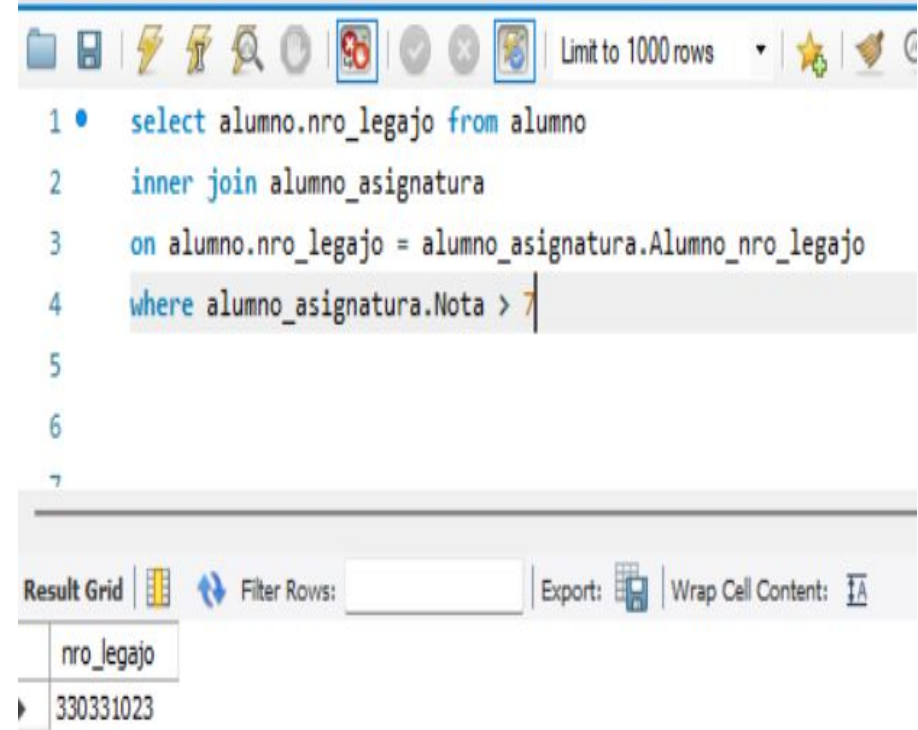
```
1 • select alumno.nro_legajo from alumno
2   inner join alumno_asignatura
3   on alumno.nro_legajo = alumno_asignatura.Alumno_nro_legajo
4
5
6
7
```

Below the query editor, the 'Result Grid' section shows the output of the query. It includes a 'Filter Rows' input field, an 'Export' button, and a 'Wrap Cell Content' checkbox. The results are displayed in a table with one column, 'nro\_legajo', containing three rows of data.

nro_legajo
135573808
241756661
330331023

# Consulta N° 6

Consulta de más de una  
tabla con INNER join y  
filtros



The screenshot shows a database query editor interface. The top toolbar includes icons for file operations, execution, and a 'Limit to 1000 rows' dropdown. The SQL query is as follows:

```
1 • select alumno.nro_legajo from alumno
2   inner join alumno_asignatura
3   on alumno.nro_legajo = alumno_asignatura.Alumno_nro_legajo
4  where alumno_asignatura.Nota > 7
5
6
7
```

Below the query editor is the 'Result Grid' section. It includes a 'Filter Rows' input field, an 'Export' button, and a 'Wrap Cell Content' checkbox. The result grid displays a single column named 'nro\_legajo' with one row containing the value '330331023'.

nro_legajo
330331023

Participar del Proyecto Final del Módulo Programador para TSCDIA  
ha sido...

desafiante

*in crescendo*

dinámico

colaborativo

infinito



Para **Yesica**, este PROYECTO ha sido... UN DESAFÍO en el aprendizaje de CRUD y GIT HUB...

Para **Lourdes**, este PROYECTO ha sido... UN DESAFÍO en el aprendizaje de Python...

Para **Celeste**, este PROYECTO ha sido... UN DESAFÍO en el aprendizaje de MySQL...

**...PERO LO HEMOS SOSTENIDO... ¡¡EN EQUIPO!!**

<https://github.com/PJVT/PI-ISPC-G30/tree/main>

**¡MUCHAS GRACIAS!**