

Universidad de San Carlos de Guatemala  
Facultad de Ingeniería  
Sistemas de Bases de Datos 2



| Carnet    | Nombre                           |
|-----------|----------------------------------|
| 201404319 | Erick Antonio Valenzuela Rivas   |
| 201404106 | Fernando Alberto Ambrosio Aleman |

Guatemala, 12 de diciembre 2023

|                                   |          |
|-----------------------------------|----------|
| <b>Creación de backups</b>        | <b>4</b> |
| Dia 1                             | 4        |
| - Carga de datos:                 | 4        |
| Select de las tablas              | 4        |
| Select COUNT(*) from cada tabla   | 5        |
| Backup completo día 1             | 6        |
| Backup Incremental dia 1          | 6        |
| Dia 2                             | 7        |
| - Carga de datos Habitacion       | 7        |
| - Select de las tablas            | 7        |
| - Select count(*) from cada tabla | 8        |
| Backup completo dia 2             | 9        |
| backup incremental dia 2          | 9        |
| Dia 3                             | 10       |
| - Carga de datos LogHabitaciones  | 10       |
| - Select de las tablas            | 10       |
| - Select count(*) from cada tabla | 11       |
| - Backup completo dia 3           | 11       |
| - backup incremental dia 3        | 12       |
| Dia 4                             | 12       |
| - Carga de datos LogActividades1  | 12       |
| - Select de las tablas            | 12       |
| - Select count(*) from cada tabla | 13       |
| - Backup completo dia 4           | 14       |
| - backup incremental dia 4        | 14       |
| Dia 5                             | 14       |
| - Carga de datos LogActividades2  | 14       |
| - Select de las tablas            | 14       |
| - Select count(*) from cada tabla | 15       |
| - Backup completo dia 5           | 16       |
| - backup incremental dia 5        | 16       |
| Dia 6                             | 17       |
| Eliminación de datos              | 17       |
| Restauración full backup 1        | 17       |
| Select de las tablas              | 17       |
| Select count(*) from cada tabla   | 18       |
| Dia 7                             | 19       |
| Eliminación de datos              | 19       |
| Restauración full backup 2        | 19       |
| Select de las tablas              | 19       |
| Select count(*) from cada tabla   | 20       |
| Dia 8                             | 21       |
| Eliminación de datos              | 21       |

|                                      |    |
|--------------------------------------|----|
| Restauración full backup 3           | 21 |
| Select de las tablas                 | 21 |
| Select count(*) from cada tabla      | 22 |
| Dia 9                                | 23 |
| Eliminación de datos                 | 23 |
| Restauración full backup 4           | 23 |
| Select de las tablas                 | 23 |
| Select count(*) from cada tabla      | 24 |
| Dia 10                               | 25 |
| Eliminación de datos                 | 25 |
| Restauración full backup 5           | 25 |
| Select de las tablas                 | 25 |
| Select count(*) from cada tabla      | 26 |
| Dia 11                               | 27 |
| Eliminación de datos                 | 27 |
| Restauración de backup incremental 1 | 27 |
| Select * from cada tabla             | 27 |
| Select count(*) from cada tabla      | 29 |
| Dia 12                               | 30 |
| Eliminación de datos                 | 30 |
| Restauración de backup incremental 2 | 30 |
| Select * from cada tabla             | 30 |
| Select count(*) from cada tabla      | 31 |
| Dia 13                               | 32 |
| Eliminación de datos                 | 32 |
| Restauración de backup incremental 3 | 33 |
| Select * from cada tabla             | 33 |
| Select count(*) from cada tabla      | 34 |
| Dia 14                               | 35 |
| Eliminación de datos                 | 35 |
| Restauración de backup incremental 4 | 35 |
| Select * from cada tabla             | 35 |
| Select count(*) from cada tabla      | 37 |
| Dia 15                               | 38 |
| Eliminación de datos                 | 38 |
| Restauración de backup incremental 5 | 38 |
| Select * from cada tabla             | 38 |
| Select count(*) from cada tabla      | 39 |
| Análisis de resultados obtenidos     | 41 |
| Conclusiones                         | 42 |

# Creación de backups

Dia 1

- Carga de datos:

The screenshot shows the SQL Server Management Studio interface. In the top-left pane, there are four tabs: Query 1, SQL File 3\*, SQL File 4\*, and SQL File 5\*. The Query 1 tab contains the following T-SQL code:

```
1 • LOAD DATA INFILE 'C:\ProgramData\MySQL\MySQL Server 8.0\Uploads\Pacientes.csv'
2   INTO TABLE paciente
3   FIELDS TERMINATED BY ','
4   ENCLOSED BY ''
5   LINES TERMINATED BY '\n'
6   IGNORE 1 LINES;
```

In the bottom-left pane, the Output window shows the results of the query:

```
1 20:31:35 LOAD DATA INFILE 'C:\ProgramData\MySQL\MySQL Server 8.0\Uploads\Pacientes.csv' INTO TABLE paciente FIELDS TERMINATED BY ',' ... 154184 row(s) affected Records: 154184 Deleted: 0 Skipped: 0 Warnings: 0
```

To the right of the main interface, a calendar for December 2023 is displayed, showing the date 11 highlighted. The system clock at the top right shows 20:31:46.

## Select de las tablas

- select \* from paciente;

The screenshot shows the SQL Server Management Studio interface. In the top-left pane, the Query 1 tab contains the following T-SQL code:

```
7 •
8 •   select * from paciente;
9 •   select * from habitacion;
10 •  select * from log_habitacion;
11 •  select * from log_actividad;
12 •  select count(*) from paciente;
13 •  select count(*) from habitacion;
14 •  select count(*) from log_habitacion;
15 •  select count(*) from log_actividad;
```

In the bottom-left pane, the Output window shows the results of the query:

| idpaciente | edad | genero    |
|------------|------|-----------|
| 100000     | 29   | Chico     |
| 100001     | 40   | Femenino  |
| 100002     | 42   | Masculino |
| 100003     | 29   | Femenino  |
| 100004     | 88   | Masculino |
| 100005     | 23   | Masculino |
| 100006     | 60   | Femenino  |
| 100007     | 29   | Femenino  |
| 100008     | 44   | Femenino  |
| 100009     | 55   | Femenino  |
| 100010     | 29   | Femenino  |
| 100011     | 13   | Femenino  |
| 100012     | 62   | Masculino |
| 100013     | 23   | Masculino |
| 100014     | 11   | Masculino |
| 100015     | 50   | Femenino  |

To the right of the main interface, a calendar for December 2023 is displayed, showing the date 11 highlighted. The system clock at the top right shows 20:34:59.

- select \* from habitacion;

The screenshot shows the SQL Server Management Studio interface. In the top-left pane, the Query 1 tab contains the following T-SQL code:

```
7 •
8 •   select * from paciente;
9 •   select * from habitacion;
10 •  select * from log_habitacion;
11 •  select * from log_actividad;
12 •  select count(*) from paciente;
13 •  select count(*) from habitacion;
14 •  select count(*) from log_habitacion;
15 •  select count(*) from log_actividad;
```

In the bottom-left pane, the Output window shows the results of the query:

| idhabitacion | habitacion   |
|--------------|--------------|
| 1            | habitacion 1 |

To the right of the main interface, a calendar for December 2023 is displayed, showing the date 11 highlighted. The system clock at the top right shows 20:34:59.

- select \* from log\_habitacion;

```
8 • select * from paciente;
9 • select * from habitacion;
10 • select * from log_habitacion;
11 • select * from log_actividad;
12 • select count(*) from paciente;
13 • select count(*) from habitacion;
14 • select count(*) from log_habitacion;
15 • select count(*) from log_actividad;
```

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

| timestamp | statusx | idhabitacion |
|-----------|---------|--------------|
| 2033.53   | 0000    | 0000         |

Action Output

| # | Time     | Action  |
|---|----------|---|
| 1 | 20.31.36 | LOAD DATA INFILE C:\ProgramData\MySQL\MySQL Server 8.0\Uploads\Pacientes.csv INTO TABLE paciente FIELDS TERMINATED BY ','... 154184 row(s) affected Records: 154184 Deleted: 0 Skipped: 0 Warnings: 0 |
| 2 | 20.33.33 | select * from paciente LIMIT 0, 1000  |
| 3 | 20.34.53 | select * from habitacion LIMIT 0, 1000  |
| 4 | 20.35.49 | select * from log_habitacion LIMIT 0, 1000  |

Output

log\_habitacion3 x

Message

154184 row(s) affected Records: 154184 Deleted: 0 Skipped: 0 Warnings: 0

1000 row(s) returned

0 row(s) returned

0 row(s) returned

Hoy

Configurar los calendarios para ver dónde tienes que estar

Introducción

Ocultar configuración de agenda

20:35:52

lunes, 11 de diciembre de 2023

diciembre de 2023

| DO | LU | MA | MI | JU | VI | SA |
|----|----|----|----|----|----|----|
| 26 | 27 | 28 | 29 | 30 | 1  | 2  |
| 3  | 4  | 5  | 6  | 7  | 8  | 9  |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | 1  | 2  | 3  | 4  | 5  | 6  |

^ D E ENG 20:35

- select \* from log\_actividad;

```
8 • select * from paciente;
9 • select * from habitacion;
10 • select * from log_habitacion;
11 • select * from log_actividad;
12 • select count(*) from paciente;
13 • select count(*) from habitacion;
14 • select count(*) from log_habitacion;
15 • select count(*) from log_actividad;
```

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

| id_log_actividad | timestmpx | actividad | PACIENTE_idPaciente | HABITACION_Idhabitacion |
|------------------|-----------|-----------|---------------------|-------------------------|
| 1                | 2033.53   | 0000      | 0000                | 0000                    |

Action Output

| # | Time     | Action                                     |
|---|----------|--|
| 2 | 20.31.36 | select * from paciente LIMIT 0, 1000       |
| 3 | 20.33.53 | select * from habitacion LIMIT 0, 1000     |
| 4 | 20.35.49 | select * from log_habitacion LIMIT 0, 1000 |
| 5 | 20.35.07 | select * from log_actividad LIMIT 0, 1000  |

Output

log\_actividad4 x

Message

1000 row(s) returned

0 row(s) returned

0 row(s) returned

0 row(s) returned

Hoy

Configurar los calendarios para ver dónde tienes que estar

Introducción

Ocultar configuración de agenda

20:36:11

lunes, 11 de diciembre de 2023

diciembre de 2023

| DO | LU | MA | MI | JU | VI | SA |
|----|----|----|----|----|----|----|
| 26 | 27 | 28 | 29 | 30 | 1  | 2  |
| 3  | 4  | 5  | 6  | 7  | 8  | 9  |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | 1  | 2  | 3  | 4  | 5  | 6  |

^ D E ENG 20:36

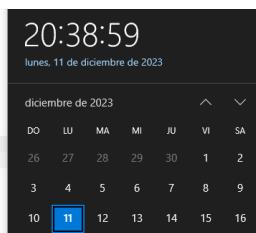
## Select COUNT(\*) from cada tabla

- select count(\*) from paciente;

```
9 • select * from habitacion;
10 • select * from log_habitacion;
11 • select * from log_actividad;
12 • select count(*) from paciente;
13 • select count(*) from habitacion;
14 • select count(*) from log_habitacion;
15 • select count(*) from log_actividad;
```

Result Grid | Filter Rows: [ ] | Export: [ ] | Wrap Cell Content: [ ]

| count(*) |
|----------|
| 154184   |



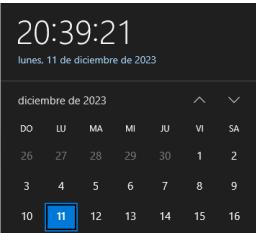
- select count(\*) from habitacion;

```

9 •   select * from habitacion;
10 •  select * from log_habitacion;
11 •  select * from log_actividad;
12 •  select count(*) from paciente;
13 •  select count(*) from habitacion;
14 •  select count(*) from log_habitacion;
15 •  select count(*) from log_actividad;

< Result Grid | Filter Rows: [ ] Export: [ ] Wrap Cell Content: [ ] >
| count(*) |
| 0 |

```



- select count(\*) from log\_habitacion;

```

9 •   select * from habitacion;
10 •  select * from log_habitacion;
11 •  select * from log_actividad;
12 •  select count(*) from paciente;
13 •  select count(*) from habitacion;
14 •  select count(*) from log_habitacion;
15 •  select count(*) from log_actividad;

< Result Grid | Filter Rows: [ ] Export: [ ] Wrap Cell Content: [ ] >
| count(*) |
| 0 |

```



- select count(\*) from log\_actividad;

```

9 •   select * from habitacion;
10 •  select * from log_habitacion;
11 •  select * from log_actividad;
12 •  select count(*) from paciente;
13 •  select count(*) from habitacion;
14 •  select count(*) from log_habitacion;
15 •  select count(*) from log_actividad;

< Result Grid | Filter Rows: [ ] Export: [ ] Wrap Cell Content: [ ] >
| count(*) |
| 0 |

```



## Backup completo día 1

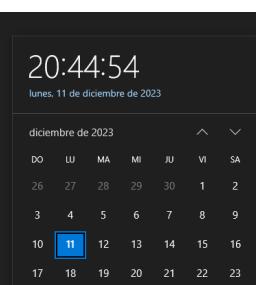
```

Explorador de archivos - Carpeta de documentos
Escritorio 15/10/2023 23:14 Carpeta de archivos
★ Favoritos 29/08/2023 00:54 Carpeta de archivos
[+] Imágenes 6/09/2023 00:23 Carpeta de archivos
  ↳ Mejores guardados 29/08/2023 00:54 Carpeta de archivos
    ↳ Música 29/08/2023 00:54 Carpeta de archivos
    ↳ Objetos 3D 29/08/2023 00:54 Carpeta de archivos
    ↳ OneDrive 29/08/2023 00:56 Carpeta de archivos
    ↳ Videos 29/08/2023 19:50 Carpeta de archivos
    ↳ Vínculos 29/08/2023 00:54 Carpeta de archivos
[+] backup_completo_1 11/12/2023 20:44 SQL Text File 3,801 KB

C:\Windows\system32\cmd.exe
Microsoft Windows [Versión 10.0.19045.3693]
(c) Microsoft Corporation. Todos los derechos reservados.

C:\Users\Fernando>mysqldump -u root -p practicai > backup_completo_1.sql
Enter password: *****
C:\Users\Fernando>

```



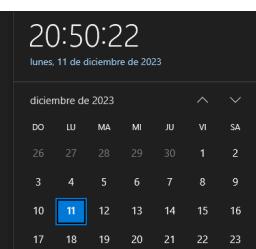
## Backup Incremental dia 1

```

Explorador de archivos - Carpeta de documentos
[+] Imágenes 6/09/2023 00:23 Carpeta de archivos
  ↳ Audios guardados 29/08/2023 00:54 Carpeta de archivos
    ↳ Música 29/08/2023 00:54 Carpeta de archivos
    ↳ Objetos 3D 29/08/2023 00:54 Carpeta de archivos
    ↳ OneDrive 29/08/2023 00:56 Carpeta de archivos
    ↳ Videos 29/08/2023 19:50 Carpeta de archivos
    ↳ Vínculos 29/08/2023 00:54 Carpeta de archivos
[+] backup_completo_1 11/12/2023 20:44 SQL Text File 3,801 KB
[+] backup_incremental_1 11/12/2023 20:49 SQL Text File 1 KB

C:\Windows\system32\cmd.exe
C:\Users\Fernando>mysqlbinlog "C:\ProgramData\MySQL\MySQL Server 8.0\data\DESKTOP-KHRNBKF-bin.000007" > backup_incremental_1.sql
C:\Users\Fernando>

```



## Dia 2

### - Carga de datos Habitacion

```

1 • LOAD DATA INFILE 'C:\ProgramData\MySQL\MySQL Server 8.0\Uploads\Habitaciones.csv'
2   INTO TABLE habitacion
3   FIELDS TERMINATED BY ','
4   ENCLOSED BY ''
5   LINES TERMINATED BY '\n'
6   IGNORE 1 LINES;
7
8 • select * from paciente;

```

Output:

| Time     | Action  |
|----------|---|
| 20:31:35 | LOAD DATA INFILE 'C:\ProgramData\MySQL\MySQL Server 8.0\Uploads\Habitaciones.csv' INTO TABLE paciente FIELDS TERMINATED BY ',' ... 154104 row(s) affected Records: 154184 Deleted: 0 Skipped: 0 Warnings: 0 |
| 20:33:36 | select * from paciente LIMIT 0, 1000  |
| 20:34:53 | select * from habitacion LIMIT 0, 1000  |
| 20:35:49 | select * from log_habitacion LIMIT 0, 1000  |
| 20:36:07 | select * from log_actividad LIMIT 0, 1000   |
| 20:38:36 | select count(*) from paciente LIMIT 0, 1000   |
| 20:39:17 | select count(*) from habitacion LIMIT 0, 1000   |
| 20:39:41 | select count(*) from log_habitacion LIMIT 0, 1000   |
| 20:39:57 | select count(*) from log_actividad LIMIT 0, 1000  |
| 20:58:24 | LOAD DATA INFILE 'C:\ProgramData\MySQL\MySQL Server 8.0\Uploads\Habitaciones.csv' INTO TABLE habitacion FIELDS TERMINATED BY '\n' ... 15 rows(s) affected Records: 15 Deleted: 0 Skipped: 0 Warnings: 0     |

Message: 154104 row(s) affected Records: 154184 Deleted: 0 Skipped: 0 Warnings: 0

Automatic context help is disabled. Use the toolbar below to manually get help for the current caret position or to toggle automatic help.

Context Help Snippets

20:58:36  
lunes, 11 de diciembre de 2023

diciembre de 2023

| DO | LU        | MA | MI | JU | VI | SA |
|----|-----------|----|----|----|----|----|
| 26 | 27        | 28 | 29 | 30 | 1  | 2  |
| 3  | 4         | 5  | 6  | 7  | 8  | 9  |
| 10 | <b>11</b> | 12 | 13 | 14 | 15 | 16 |

### - Select de las tablas

select \* from paciente;

```

8 • select * from paciente;
9 • select * from habitacion;
10 • select * from log_habitacion;
11 • select * from log_actividad;
12 • select count(*) from paciente;

```

Result Grid | Filter Rows: [ ] Edit: [ ] Export/Import: [ ] Wrap Cell Content: [ ] Patch rows: [ ]

| idPaciente | edad | genero    |
|------------|------|-----------|
| 100000     | 95   | Otro      |
| 100001     | 40   | Femenino  |
| 100002     | 42   | Masculino |
| 100003     | 8    | Femenino  |
| 100004     | 88   | Masculino |
| 100005     | 52   | Masculino |
| 100006     | 60   | Femenino  |
| 100007     | 49   | Femenino  |
| 100008     | 44   | Femenino  |
| 100009     | 55   | Femenino  |

select \* from habitacion;

```

9 • select * from habitacion;
10 • select * from log_habitacion;
11 • select * from log_actividad;
12 • select count(*) from paciente;

```

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

| idHabitacion | habitacion               |
|--------------|--------------------------|
| 1            | Sala de exámenes 1       |
| 2            | Sala de exámenes 2       |
| 3            | Sala de exámenes 3       |
| 4            | Sala de exámenes 4       |
| 5            | Sala de exámenes 5       |
| 6            | Sala de procedimientos 1 |
| 7            | Sala de procedimientos 2 |
| 8            | Sala de procedimientos 3 |
| 9            | Sala de procedimientos 4 |
| 10           | Recepción                |
| 11           | Laboratorio              |
| 12           | Estación de revisión 1   |
| 13           | Estación de revisión 2   |
| 14           | Estación de revisión 3   |
| 15           | Estación de revisión 4   |
| ...          | ...                      |

select \* from log\_habitacion;

```

9 • select * from habitacion;
10 • select * from log_habitacion;
11 • select * from log_actividad;
12 • select count(*) from paciente;

```

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

| timestampx          | statusx | idHabitacion |
|---------------------|---------|--------------|
| 2023-12-11 10:58:36 | IN      | 1            |

select \* from log\_actividad;

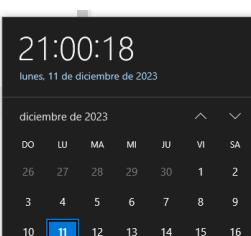
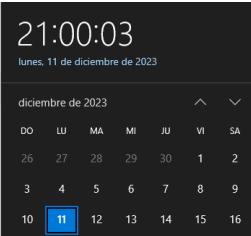
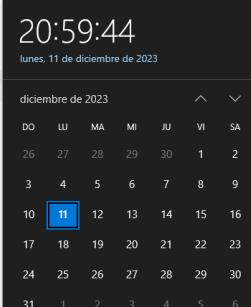
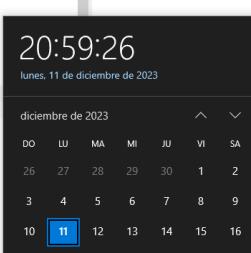
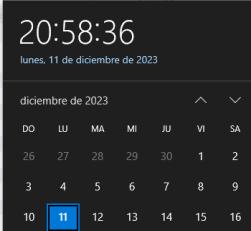
```

8 • select * from paciente;
9 • select * from habitacion;
10 • select * from log_habitacion;
11 • select * from log_actividad;
12 • select count(*) from paciente;

```

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

| id_log_actividad | timestampx          | actividad | PACIENTE_idPaciente | HABITACION_idhabitacion |
|------------------|---------------------|-----------|---------------------|-------------------------|
| 1                | 2023-12-11 10:58:36 | Entrada   | 1                   | 1                       |

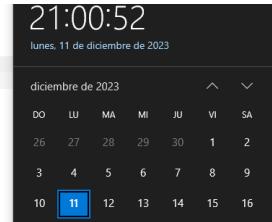


- Select count(\*) from cada tabla
- select count(\*) from paciente;

```

10 •   select * from log_habitacion;
11 •   select * from log_actividad;
12 •   select count(*) from paciente;
13 •
14 •
15 •
  
```

Result Grid | Filter Rows: [ ] | Export: [ ] | Wrap Cell Content: [ ]  
count(\*)  
154184



- select count(\*) from habitacion;

```

10 •   select * from log_habitacion;
11 •   select * from log_actividad;
12 •   select count(*) from paciente;
13 •   select count(*) from habitacion;
14 •
15 •
  
```

Result Grid | Filter Rows: [ ] | Export: [ ] | Wrap Cell Content: [ ]  
count(\*)  
15

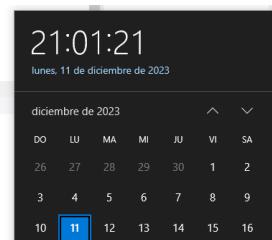


- select count(\*) from log\_habitacion;

```

10 •   select * from log_habitacion;
11 •   select * from log_actividad;
12 •   select count(*) from paciente;
13 •   select count(*) from habitacion;
14 •   select count(*) from log_habitacion;
15 •
  
```

Result Grid | Filter Rows: [ ] | Export: [ ] | Wrap Cell Content: [ ]  
count(\*)  
0

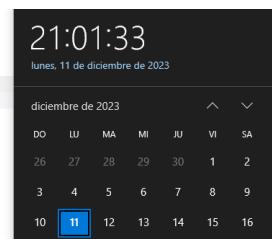


- select count(\*) from log\_actividad;

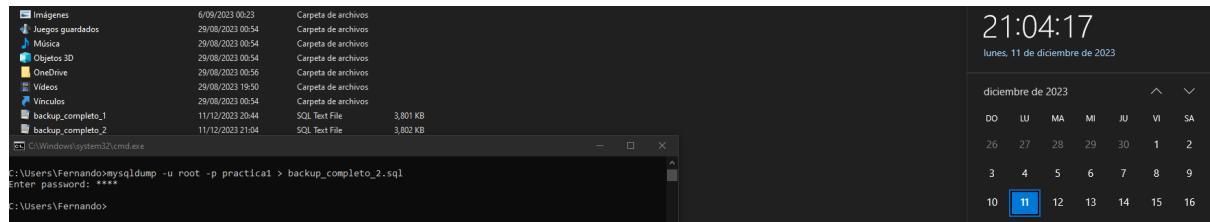
```

12 •   select count(*) from paciente;
13 •   select count(*) from habitacion;
14 •   select count(*) from log_habitacion;
15 •   select count(*) from log_actividad;
  
```

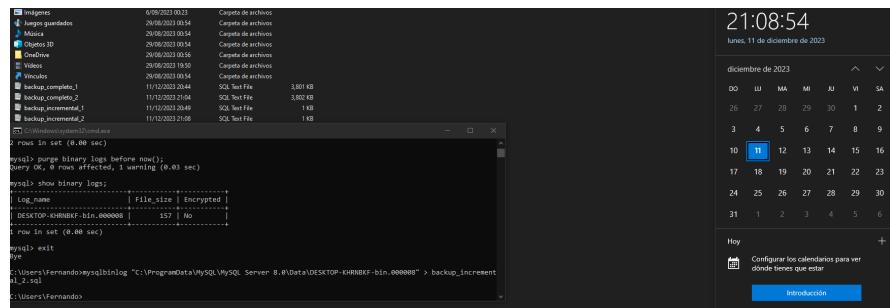
Result Grid | Filter Rows: [ ] | Export: [ ] | Wrap Cell Content: [ ]  
count(\*)  
0



## Backup completo dia 2



## backup incremental dia 2





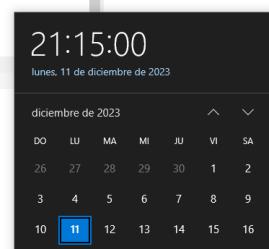
- Select count(\*) from cada tabla

select count(\*) from paciente;

```

10 • select * from log_habitacion;
11 • select * from log_actividad;
12 • select count(*) from paciente;
13 • select count(*) from habitacion;

```

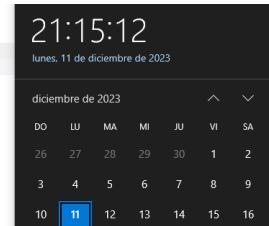


select count(\*) from habitacion;

```

12 • select count(*) from paciente;
13 • select count(*) from habitacion;
14 • select count(*) from log_habitacion;

```

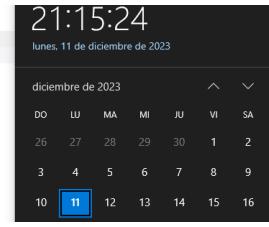


select count(\*) from log\_habitacion;

```

14 • select count(*) from log_habitacion;
15 • select count(*) from log_actividad;

```

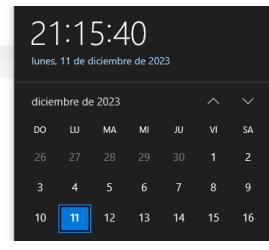


select count(\*) from log\_actividad;

```

14 • select count(*) from log_habitacion;
15 • select count(*) from log_actividad;

```



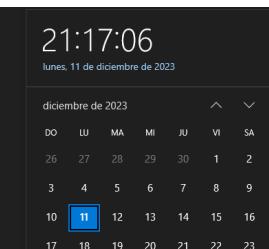
- Backup completo dia 3

```

★ Favoritos          29/08/2023 00:54   Carpeta de archivos
Imágenes            6/09/2023 00:23   Carpeta de archivos
Juegos guardados    29/08/2023 00:54   Carpeta de archivos
Música              29/08/2023 00:54   Carpeta de archivos
Objetos 3D           29/08/2023 00:54   Carpeta de archivos
OneDrive             29/08/2023 00:56   Carpeta de archivos
Videos               29/08/2023 19:50   Carpeta de archivos
Vínculos             29/08/2023 00:54   Carpeta de archivos
backup_completo_1    11/12/2023 20:44   SQL Text File      3,801 KB
backup_completo_2    11/12/2023 21:04   SQL Text File      3,802 KB
backup_completo_3    11/12/2023 21:16   SQL Text File      5,401 KB

```

C:\Windows\system32\cmd.exe  
C:\Users\Fernando>mysqldump -u root -p practical1 > backup\_completo\_3.sql  
Enter password: \*\*\*\*  
C:\Users\Fernando>



## - backup incremental dia 3

The screenshot shows a Windows desktop environment. On the left, File Explorer displays a folder structure with items like 'Imágenes', 'Juegos guardados', 'Música', 'Objetos 3D', 'OneDrive', 'Videos', and 'Vínculos'. In the center, a command prompt window titled 'C:\Windows\system32\cmd.exe' shows MySQL commands related to binary logs and a backup operation. On the right, a calendar for December 2023 highlights the 11th. A tooltip for the calendar says: 'Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.'

```

C:\Windows\system32\cmd.exe
Archivos 6/09/2023 00:23 Carpeta de archivos
Imágenes 29/08/2023 00:54 Carpeta de archivos
Juegos guardados 29/08/2023 00:54 Carpeta de archivos
Música 29/08/2023 00:54 Carpeta de archivos
Objetos 3D 29/08/2023 00:54 Carpeta de archivos
OneDrive 29/08/2023 00:56 Carpeta de archivos
Videos 29/08/2023 19:50 Carpeta de archivos
Vínculos 29/08/2023 00:54 Carpeta de archivos
backup_completo_1 11/12/2023 20:44 SQL Text File 3.801 KB
backup_completo_2 11/12/2023 21:04 SQL Text File 3.802 KB
backup_completo_3 11/12/2023 21:16 SQL Text File 5.401 KB
backup_incremental_1 11/12/2023 20:49 SQL Text File 1 KB
backup_incremental_2 11/12/2023 21:08 SQL Text File 1 KB
backup_incremental_3 11/12/2023 21:18 SQL Text File 1 KB

C:\Windows\system32\cmd.exe
mysql> show binary logs;
+-----+-----+-----+
| Log_name | File_size | Encrypted |
+-----+-----+-----+
| DESKTOP-KHRNBKF-bin.000008 | 1560954 | No
| DESKTOP-KHRNBKF-bin.000009 | 157 | No
+-----+-----+-----+
rows in set (0.00 sec)

mysql> purge binary logs before now();
Query OK, 0 rows affected, 1 warning (0.03 sec)

mysql> exit
ye

:C:\Users\Fernando>mysqlbinlog "C:\ProgramData\MySQL\MySQL Server 8.0\Data\DESKTOP-KHRNBKF-bin.000009" > backup_incremental_3.sql

:C:\Users\Fernando>

```

## Dia 4

### - Carga de datos LogActividades1

The screenshot shows a MySQL command prompt window with a script named 'LogActividades1.sql' being run. The script contains several MySQL statements, including a LOAD DATA INFILE command to import data from a CSV file, and various SELECT statements to verify counts across multiple tables: paciente, habitacion, log\_actividad, and log\_habitacion.

```

LOAD DATA INFILE 'C:\ProgramData\MySQL\MySQL Server 8.0\Uploads\LogActividades1.csv'
INTO TABLE log_actividad
FIELDS TERMINATED BY ';'
ENCLOSED BY ''
LINES TERMINATED BY '\n'
IGNORE 1 LINES
(timestamp, actividad, PACIENTE_idPaciente, HABITACION_idHabitacion);

select * from paciente;
select * from habitacion;
select * from log_actividad;
select count(*) from paciente;
select count(*) from habitacion;
select count(*) from log_habitacion;
select count(*) from log_actividad;

```

### - Select de las tablas

`select * from paciente;`

The screenshot shows the results of a SELECT \* query on the 'paciente' table. The table has columns 'idPaciente', 'edad' (integer), and 'genero' (string). The data includes various patient records with their respective ages and genders.

| idPaciente | edad | genero    |
|------------|------|-----------|
| 100000     | 95   | Otro      |
| 100001     | 40   | Femenino  |
| 100002     | 42   | Masculino |
| 100003     | 8    | Femenino  |
| 100004     | 88   | Masculino |
| 100005     | 23   | Masculino |
| 100006     | 60   | Femenino  |
| 100007     | 49   | Femenino  |
| 100008     | 44   | Femenino  |
| 100009     | 55   | Femenino  |
| 100010     | 28   | Femenino  |
| 100011     | 13   | Femenino  |

`select * from habitacion;`

The screenshot shows the results of a SELECT \* query on the 'habitacion' table. The table has columns 'idHabitacion' and 'descripcion'. The data includes various room types such as exam rooms, procedure rooms, and reception areas.

| idHabitacion | descripcion              |
|--------------|--------------------------|
| 1            | Sala de exámenes 1       |
| 2            | Sala de exámenes 2       |
| 3            | Sala de exámenes 3       |
| 4            | Sala de exámenes 4       |
| 5            | Sala de imágenes 1       |
| 6            | Sala de procedimientos 1 |
| 7            | Sala de procedimientos 2 |
| 8            | Sala de procedimientos 3 |
| 9            | Sala de procedimientos 4 |
| 10           | Recepción                |
| 11           | Laboratorio              |
| 12           | Estación de revisión 1   |
| 13           | Estación de revisión 2   |
| 14           | Estación de revisión 3   |
| 15           | Estación de revisión 4   |
| 16           | rmnas                    |

`select * from log_habitacion;`

21:18:17

lunes, 11 de diciembre de 2023

| diciembre de 2023 |    |    |    |    |    |    |
|-------------------|----|----|----|----|----|----|
| DO                | LU | MA | MI | JU | VI | SA |
| 26                | 27 | 28 | 29 | 30 | 1  | 2  |
| 3                 | 4  | 5  | 6  | 7  | 8  | 9  |
| 10                | 11 | 12 | 13 | 14 | 15 | 16 |
| 17                | 18 | 19 | 20 | 21 | 22 | 23 |
| 24                | 25 | 26 | 27 | 28 | 29 | 30 |
| 31                | 1  | 2  | 3  | 4  | 5  | 6  |

Hoy

Configurar los calendarios para ver dónde tienes que estar

Introducción

21:19:51

lunes, 11 de diciembre de 2023

| diciembre de 2023 |    |    |    |    |    |    |
|-------------------|----|----|----|----|----|----|
| DO                | LU | MA | MI | JU | VI | SA |
| 26                | 27 | 28 | 29 | 30 | 1  | 2  |
| 3                 | 4  | 5  | 6  | 7  | 8  | 9  |
| 10                | 11 | 12 | 13 | 14 | 15 | 16 |

21:20:25

lunes, 11 de diciembre de 2023

| diciembre de 2023 |    |    |    |    |    |    |
|-------------------|----|----|----|----|----|----|
| DO                | LU | MA | MI | JU | VI | SA |
| 26                | 27 | 28 | 29 | 30 | 1  | 2  |
| 3                 | 4  | 5  | 6  | 7  | 8  | 9  |
| 10                | 11 | 12 | 13 | 14 | 15 | 16 |

21:20:38

lunes, 11 de diciembre de 2023

| diciembre de 2023 |    |    |    |    |    |    |
|-------------------|----|----|----|----|----|----|
| DO                | LU | MA | MI | JU | VI | SA |
| 26                | 27 | 28 | 29 | 30 | 1  | 2  |
| 3                 | 4  | 5  | 6  | 7  | 8  | 9  |
| 10                | 11 | 12 | 13 | 14 | 15 | 16 |
| 17                | 18 | 19 | 20 | 21 | 22 | 23 |
| 24                | 25 | 26 | 27 | 28 | 29 | 30 |

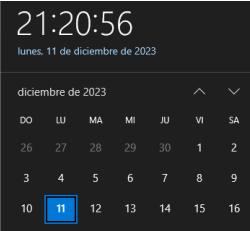
```

10 • select * from habitacion;
11 • select * from log_habitacion;

```

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

| timestamp          | status              | idhabitacion |
|--------------------|---------------------|--------------|
| 5/31/2021 10:31 PM | Sala disponible.    | 6            |
| 5/31/2021 10:33 PM | Sala no disponible. | 9            |
| 5/31/2021 10:49 PM | Inicia Impeza.      | 9            |
| 5/31/2021 10:59 PM | Sala disponible.    | 9            |
| 5/31/2021 11:01 PM | Sala no disponible. | 13           |
| 5/31/2021 11:02 PM | Inicia Impeza.      | 13           |
| 5/31/2021 11:11 PM | Sala disponible.    | 13           |
| 5/31/2021 11:24 PM | Sala disponible.    | 12           |
| 5/31/2021 11:31 PM | Inicia Impeza.      | 12           |
| 5/31/2021 11:35 PM | Sala disponible.    | 12           |
| 5/31/2021 11:37 PM | Sala no disponible. | 14           |
| 5/31/2021 11:47 PM | Inicia Impeza.      | 14           |



select \* from log\_actividad;

```

11 • select * from log_habitacion;
12 • select * from log_actividad;

```

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

| id_log_actividad | timestamp            | actividad  | PACIENTE_idPaciente | HABITACION_idhabitacion |
|------------------|----------------------|--|---------------------|-------------------------|
| 131071           | 5/31/2021 7:12:14 AM | Paciente inicia el registro.                       | 134247              | 10                      |
| 131072           | 5/31/2021 7:15:16 AM | Paciente recibe papelera en recepcion.             | 134247              | 10                      |
| 131073           | 5/31/2021 7:15:54 AM | Paciente entrega papelera.                         | 134247              | 10                      |
| 131074           | 5/31/2021 7:16:33 AM | Recepcionista establece la condicion del paciente. | 134247              | 10                      |
| 131075           | 5/31/2021 7:16:40 AM | Recepcionista establece la condicion del paciente. | 134247              | 10                      |
| 131076           | 5/31/2021 7:19:35 AM | Revision determino que el paciente es tipo 2 y...  | 134247              | 10                      |
| 131077           | 5/31/2021 7:20:34 AM | Medico inicia el tratamiento del paciente.         | 134247              | 10                      |
| 131078           | 5/31/2021 7:21:50 AM | Paciente inicia el registro.                       | 135641              | 10                      |
| 131079           | 5/31/2021 7:23:01 AM | Paciente recibe papelera en recepcion.             | 135641              | 10                      |
| 131080           | 5/31/2021 7:26:39 AM | Paciente inicia el registro.                       | 180487              | 10                      |
| 131081           | 5/31/2021 7:26:44 AM | Paciente entrega papelera.                         | 135641              | 12                      |
| 131082           | 5/31/2021 7:46:18 AM | Recepcionista establece la condicion del paciente. | 135641              | 12                      |



- Select count(\*) from cada tabla

select count(\*) from paciente;

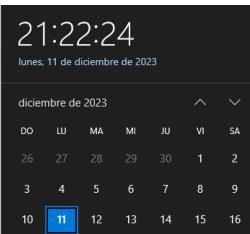
```

12 • select * from log_actividad;
13 • select count(*) from paciente;

```

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

|          |
|----------|
| count(*) |
| 154184   |



select count(\*) from habitacion;

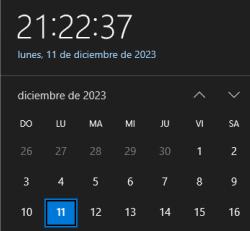
```

12 • select * from log_actividad;
13 • select count(*) from paciente;
14 • select count(*) from habitacion;

```

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

|          |
|----------|
| count(*) |
| 15       |



select count(\*) from log\_habitacion;

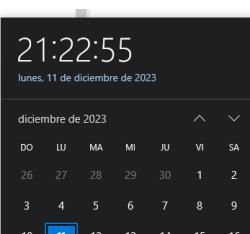
```

13 • select count(*) from paciente;
14 • select count(*) from habitacion;
15 • select count(*) from log_habitacion;

```

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

|          |
|----------|
| count(*) |
| 34617    |



select count(\*) from log\_actividad;

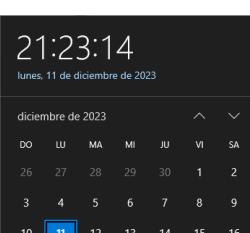
```

14 • select count(*) from paciente;
15 • select count(*) from habitacion;
16 • select count(*) from log_actividad;

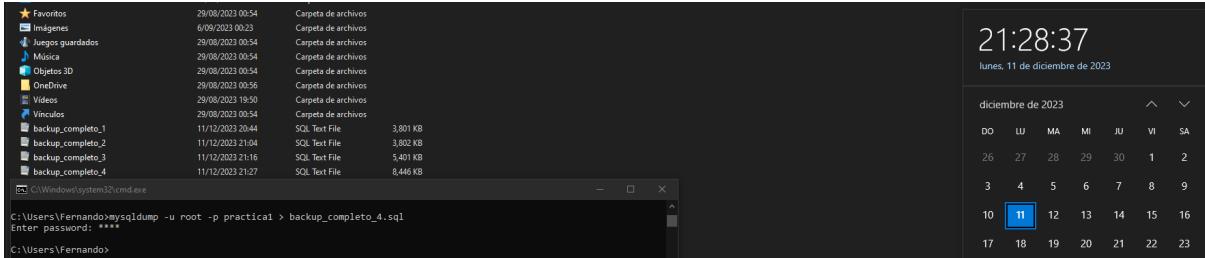
```

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

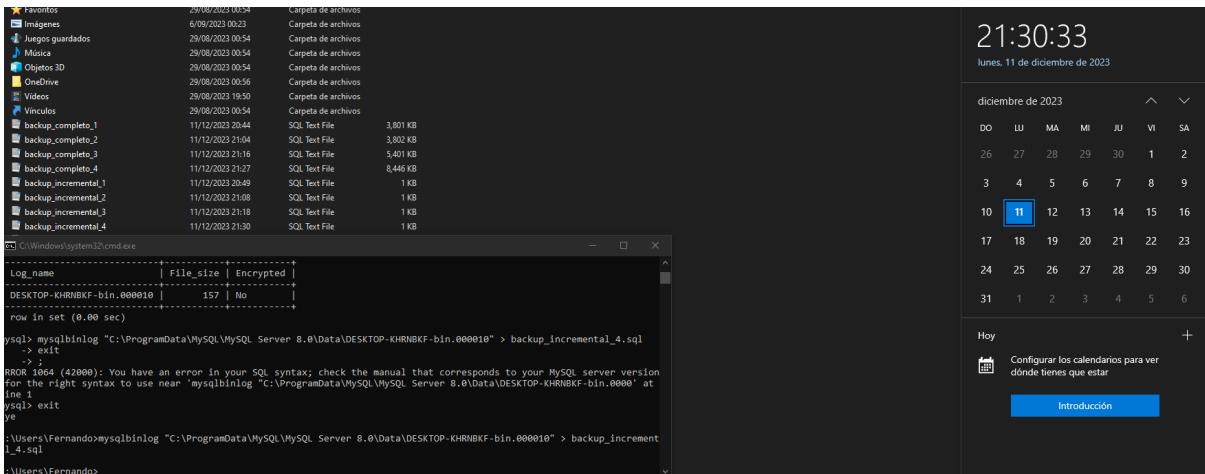
|          |
|----------|
| count(*) |
| 33841    |



## - Backup completo dia 4



## - backup incremental dia 4

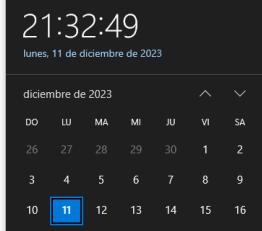


## Dia 5

### - Carga de datos LogActividades2

```
1 • LOAD DATA INFILE 'C:\ProgramData\MySQL\MySQL Server 8.0\Uploads\LogActividades2.csv'
2   INTO TABLE log_actividad
3   FIELDS TERMINATED BY ','
4   ENCLOSED BY ''
5   LINES TERMINATED BY '\n'
6   IGNORE 1 LINES
7   (timestampx, actividad, PACIENTE_idPaciente, HABITACION_idHabitacion)
8
9 • select * from paciente;
10 • select * from habitacion;
11 • select * from log_habitacion;
12 • select * from log_actividad;
13 • select count(*) from paciente;
14 • select count(*) from habitacion;
15 • select count(*) from log_habitacion;
16 • select count(*) from log_actividad;
```

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.



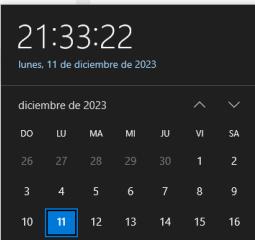
### - Select de las tablas

select \* from paciente;

```

8
9 •   select * from paciente;
10 •  select * from habitacion;
<-->
Result Grid | Filter Rows | Edit: | Export/Import: | Wrap Cell Content: | Fetch rows: |
idPaciente | edad | genero |
100000 95 Otra
100001 40 Femenino
100002 42 Masculino
100003 8 Femenino
100004 88 Masculino
100005 23 Femenino
100006 60 Femenino
100007 49 Femenino
100008 44 Femenino
100009 55 Femenino
100010 28 Femenino
100011 13 Femenino

```

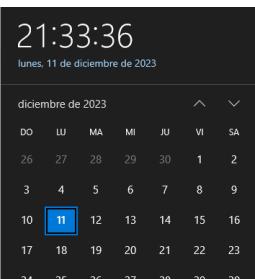


select \* from habitacion;

```

9 •   select * from paciente;
10 •  select * from habitacion;
<-->
Result Grid | Filter Rows | Edit: | Export/Import: | Wrap Cell Content: | Fetch rows: |
idhabitacion | habitacion |
1 Sala de exámenes 1
2 Sala de exámenes 2
3 Sala de exámenes 3
4 Sala de exámenes 4
5 Sala de imágenes 1
6 Sala de procedimientos 1
7 Sala de procedimientos 2
8 Sala de procedimientos 3
9 Sala de procedimientos 4
10 Recepión
11 Laboratorio
12 Estación de revisión 1
13 Estación de revisión 2
14 Estación de revisión 3
15 Estación de revisión 4

```

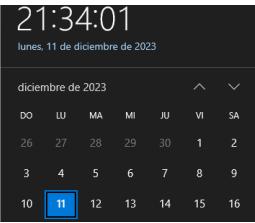


select \* from log\_habitacion;

```

11 •  select * from log_habitacion;
<-->
Result Grid | Filter Rows | Edit: | Export/Import: | Wrap Cell Content: | Fetch rows: |
timestampx | statusx | idhabitacion |
5/31/2021 1:01:31 PM | Sala disponible. | 6
5/31/2021 1:01:31 PM | Sala disponible. | 9
5/31/2021 1:08:20 PM | Sala disponible. | 9
5/31/2021 1:10:15 PM | Sala no disponible. | 13
5/31/2021 1:10:42 PM | Inicia limpieza. | 13
5/31/2021 1:11:37 PM | Sala disponible. | 13
5/31/2021 1:12:48 PM | Sala disponible. | 12
5/31/2021 1:13:14 PM | Inicia limpieza. | 12
5/31/2021 1:15:14 PM | Sala disponible. | 12
5/31/2021 1:17:11 PM | Sala no disponible. | 14
4/21/2021 1:17:34 PM | Inicia limpieza. | 14

```



select \* from log\_actividad;

```

10 •  select * from habitacion;
11 •  select * from log_habitacion;
12 •  select * from log_actividad;
<-->
Result Grid | Filter Rows | Edit: | Export/Import: | Wrap Cell Content: | Fetch rows: |
id_log_actividad | timestampx | actividad | PACIENTE_idPaciente | HABITACION_idHabitacion |
131071 5/31/2021 1:12:14 AM | Paciente inicia el registro. | 134247 | 10
131072 5/31/2021 1:13:16 AM | Paciente recibe papelería en recepción. | 134247 | 10
131073 5/31/2021 1:15:54 AM | Paciente entrega papelería. | 134247 | 10
131074 5/31/2021 1:17:01 AM | Enfermera establece la condición del paciente... | 134247 | 10
131075 5/31/2021 1:17:47 AM | Enfermera continua la atención del paciente. | 134247 | 10
131076 5/31/2021 1:19:33 AM | Revision determina que el paciente es tipo 2 y s... | 134247 | 10
131077 5/31/2021 1:20:34 AM | Medico inicia con el tratamiento del paciente. | 134247 | 10
131078 5/31/2021 1:21:50 AM | Paciente inicia el registro. | 135641 | 10
131079 5/31/2021 1:23:01 AM | Paciente recibe papelería en recepción. | 135641 | 10
131080 5/31/2021 1:25:39 AM | Paciente inicia el registro. | 180487 | 10
131081 5/31/2021 1:25:44 AM | Paciente entrega papelería. | 135641 | 12
131082 5/31/2021 1:26:18 AM | Recepcionista establece la condición del paciente... | 135641 | 12

```



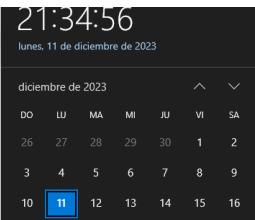
- Select count(\*) from cada tabla

select count(\*) from paciente;

```

13 •  select count(*) from paciente;
<-->
Result Grid | Filter Rows | Edit: | Export/Import: | Wrap Cell Content: | Fetch rows: |
count(*) |
154184

```

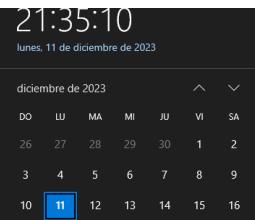


select count(\*) from habitacion;

```

14 •  select count(*) from habitacion;
<-->
Result Grid | Filter Rows | Edit: | Export/Import: | Wrap Cell Content: | Fetch rows: |
count(*) |
15

```



select count(\*) from log\_habitacion;

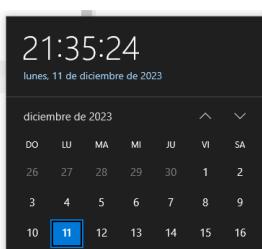
```

13 • select count(*) from paciente;
14 • select count(*) from habitacion;
15 • select count(*) from log_habitacion;
16 • select count(*) from log_actividad;

```

Result Grid | Filter Rows: [ ] Export: [ ] Wrap Cell Content: [ ]

count(\*)  
34617



`select count(*) from log_actividad;`

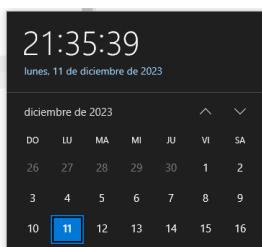
```

14 • select count(*) from habitacion;
15 • select count(*) from log_habitacion;
16 • select count(*) from log_actividad;

```

Result Grid | Filter Rows: [ ] Export: [ ] Wrap Cell Content: [ ]

count(\*)  
57684



### - Backup completo dia 5

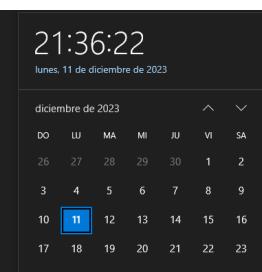
```

★ Favoritos 29/08/2023 00:54 Carpeta de archivos
Imágenes 6/09/2023 00:23 Carpeta de archivos
Juegos guardados 29/08/2023 00:54 Carpeta de archivos
Música 29/08/2023 00:54 Carpeta de archivos
Objetos 3D 29/08/2023 00:54 Carpeta de archivos
OneDrive 29/08/2023 00:56 Carpeta de archivos
Videos 29/08/2023 19:50 Carpeta de archivos
Vínculos 29/08/2023 00:54 Carpeta de archivos
backup_completo_1 11/12/2023 20:44 SQL Text File 3,801 KB
backup_completo_2 11/12/2023 21:04 SQL Text File 3,802 KB
backup_completo_3 11/12/2023 21:16 SQL Text File 5,401 KB
backup_completo_4 11/12/2023 21:27 SQL Text File 8,446 KB
backup_completo_5 11/12/2023 21:36 SQL Text File 11,492 KB

```

C:\Windows\system32\cmd.exe

C:\Users\Fernando>mysqldump -u root -p practica1 > backup\_completo\_5.sql  
Enter password: \*\*\*  
C:\Users\Fernando>



### - backup incremental dia 5

```

★ Favoritos 19/10/2023 23:14 Carpeta de archivos
Imágenes 29/08/2023 00:54 Carpeta de archivos
Juegos guardados 6/09/2023 00:23 Carpeta de archivos
Música 29/08/2023 00:54 Carpeta de archivos
Objetos 3D 29/08/2023 00:54 Carpeta de archivos
OneDrive 29/08/2023 00:56 Carpeta de archivos
Videos 29/08/2023 19:50 Carpeta de archivos
Vínculos 29/08/2023 00:54 Carpeta de archivos
backup_completo_1 11/12/2023 20:44 SQL Text File 3,801 KB
backup_completo_2 11/12/2023 21:04 SQL Text File 3,802 KB
backup_completo_3 11/12/2023 21:16 SQL Text File 5,401 KB
backup_completo_4 11/12/2023 21:27 SQL Text File 8,446 KB
backup_completo_5 11/12/2023 21:36 SQL Text File 11,492 KB
backup_incremental_1 11/12/2023 20:49 SQL Text File 1 KB
backup_incremental_2 11/12/2023 21:08 SQL Text File 1 KB
backup_incremental_3 11/12/2023 21:18 SQL Text File 1 KB
backup_incremental_4 11/12/2023 21:30 SQL Text File 1 KB
backup_incremental_5 11/12/2023 21:37 SQL Text File 1 KB

```

C:\Windows\system32\cmd.exe

mysql> show binary logs;

| Log_name                    | File_size | Encrypted |
|-----------------------------|-----------|-----------|
| DESKTOP-KHRNBKF-bin.0000010 | 2859398   | No        |
| DESKTOP-KHRNBKF-bin.0000011 | 157       | No        |

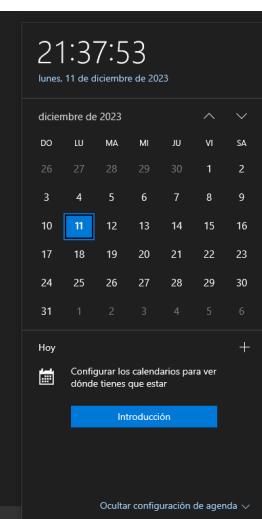
2 rows in set (0.00 sec)

mysql> purge binary logs before now();  
Query OK, 0 rows affected, 1 warning (0.03 sec)

mysql> exit  
Bye

C:\Users\Fernando>mysqldump --log-bin="C:\ProgramData\MySQL\MySQL Server 8.0\Data\DESKTOP-KHRNBKF-bin.0000011" > backup\_incremental\_5.sql

C:\Users\Fernando>



## Dia 6

### Eliminación de datos

```
13 • delete from habitacion;
14 • delete from paciente;
15 • delete from log_actividad;
16 • delete from log_habitacion;
17
18 • LOAD DATA INFILE 'C:\\ProgramData\\MySQL\\MySQL Server 8.0\\Uploads\\Pacientes.csv'
19 INTO TABLE paciente
20 FIELDS TERMINATED BY ','
21 ENCLOSED BY """
22 LINES TERMINATED BY '\\n'
23 IGNORE 1 LINES;
24
```

Output

| #  | Time     | Action  | Message                |
|----|----------|---|------------------------|
| 39 | 21:33:34 | select * from habitacion LIMIT 0, 1000            | 15 row(s) returned     |
| 40 | 21:33:58 | select * from log_habitacion LIMIT 0, 1000        | 1000 row(s) returned   |
| 41 | 21:34:14 | select * from log_actividad LIMIT 0, 1000         | 1000 row(s) returned   |
| 42 | 21:34:52 | select count(*) from paciente LIMIT 0, 1000       | 1 row(s) returned      |
| 43 | 21:35:07 | select count(*) from habitacion LIMIT 0, 1000     | 1 row(s) returned      |
| 44 | 21:35:22 | select count(*) from log_habitacion LIMIT 0, 1000 | 1 row(s) returned      |
| 45 | 21:35:36 | select count(*) from log_actividad LIMIT 0, 1000  | 1 row(s) returned      |
| 46 | 21:39:24 | SET SQL_SAFE_UPDATES = 0                          | 0 row(s) affected      |
| 47 | 21:39:27 | delete from log_habitacion                        | 34617 row(s) affected  |
| 48 | 21:39:29 | delete from log_actividad                         | 67684 row(s) affected  |
| 49 | 21:39:33 | delete from paciente                              | 154184 row(s) affected |
| 50 | 21:39:39 | delete from habitacion                            | 15 row(s) affected     |

### Restauración full backup 1

```
C:\>
C:\>
C:\>
C:\>mysql -u root -p practica1 < backup_completo_1.sql
Enter password: ****
: \Users\Fernando>
```

21:43:48  
lunes, 11 de diciembre de 2023

| diciembre de 2023 |    |    |    |    |    |    |
|-------------------|----|----|----|----|----|----|
| DO                | LU | MA | MI | JU | VI | SA |
| 26                | 27 | 28 | 29 | 30 | 1  | 2  |
| 3                 | 4  | 5  | 6  | 7  | 8  | 9  |
| 10                | 11 | 12 | 13 | 14 | 15 | 16 |

### Select de las tablas

```
select * from paciente;
```

```
9 • select * from paciente;
: \Users\Fernando>
```

21:44:36  
lunes, 11 de diciembre de 2023

| diciembre de 2023 |    |    |    |    |    |    |
|-------------------|----|----|----|----|----|----|
| DO                | LU | MA | MI | JU | VI | SA |
| 26                | 27 | 28 | 29 | 30 | 1  | 2  |
| 3                 | 4  | 5  | 6  | 7  | 8  | 9  |
| 10                | 11 | 12 | 13 | 14 | 15 | 16 |

`select * from habitacion;`

```
9 • select * from paciente;
10 • select * from habitacion;
11 • select * from log_habitacion;
12 • select * from log_actividad;
13 • select count(*) from paciente;
14 • select count(*) from habitacion;
```

toggle automatic help.

21:45:00  
lunes, 11 de diciembre de 2023

| diciembre de 2023 |    |    |    |    |    |    |
|-------------------|----|----|----|----|----|----|
| DO                | LU | MA | MI | JU | VI | SA |
| 26                | 27 | 28 | 29 | 30 | 1  | 2  |
| 3                 | 4  | 5  | 6  | 7  | 8  | 9  |
| 10                | 11 | 12 | 13 | 14 | 15 | 16 |

`select * from log_habitacion;`

```
11 • select * from log_habitacion;
12 • select count(*) from log_habitacion;
```

21:45:11  
lunes, 11 de diciembre de 2023

| diciembre de 2023 |    |    |    |    |    |    |
|-------------------|----|----|----|----|----|----|
| DO                | LU | MA | MI | JU | VI | SA |
| 26                | 27 | 28 | 29 | 30 | 1  | 2  |
| 3                 | 4  | 5  | 6  | 7  | 8  | 9  |
| 10                | 11 | 12 | 13 | 14 | 15 | 16 |

`select * from log_actividad;`

```
12 • select * from log_actividad;
13 • select count(*) from log_actividad;
```

21:45:28  
lunes, 11 de diciembre de 2023

| diciembre de 2023 |    |    |    |    |    |    |
|-------------------|----|----|----|----|----|----|
| DO                | LU | MA | MI | JU | VI | SA |
| 26                | 27 | 28 | 29 | 30 | 1  | 2  |
| 3                 | 4  | 5  | 6  | 7  | 8  | 9  |
| 10                | 11 | 12 | 13 | 14 | 15 | 16 |

Select count(\*) from cada tabla

`select count(*) from paciente;`

```
13 • select count(*) from paciente;
```

21:46:34  
lunes, 11 de diciembre de 2023

| diciembre de 2023 |    |    |    |    |    |    |
|-------------------|----|----|----|----|----|----|
| DO                | LU | MA | MI | JU | VI | SA |
| 26                | 27 | 28 | 29 | 30 | 1  | 2  |
| 3                 | 4  | 5  | 6  | 7  | 8  | 9  |
| 10                | 11 | 12 | 13 | 14 | 15 | 16 |

`select count(*) from habitacion;`

```
14 • select count(*) from habitacion;
```

21:46:51  
lunes, 11 de diciembre de 2023

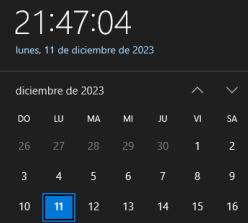
| diciembre de 2023 |    |    |    |    |    |    |
|-------------------|----|----|----|----|----|----|
| DO                | LU | MA | MI | JU | VI | SA |
| 26                | 27 | 28 | 29 | 30 | 1  | 2  |
| 3                 | 4  | 5  | 6  | 7  | 8  | 9  |
| 10                | 11 | 12 | 13 | 14 | 15 | 16 |

`select count(*) from log_habitacion;`

```

13 •   select count(*) from paciente;
14 •   select count(*) from habitacion;
15 •   select count(*) from log_habitacion;
16 •   select count(*) from log_actividad;

```

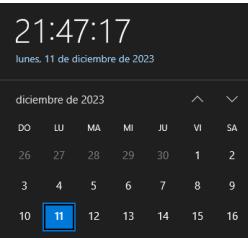


select count(\*) from log\_actividad;

```

16 •   select count(*) from log_actividad;

```



## Dia 7

### Eliminación de datos

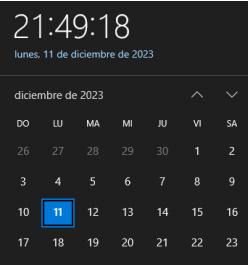
```

9 •   select count(*) from log_habitacion;
10 •  select count(*) from log_actividad;
11 •  select * from log_actividad;
12
13 •  delete from habitacion;
14 •  delete from paciente;
15 •  delete from log_actividad;
16 •  delete from log_habitacion;
17

```

Output:

| Action | Time     | Message   |
|--------|----------|---|
| 1      | 21:49:49 | delete from log_habitacion<br>0 row(s) affected |
| 2      | 21:49:01 | delete from log_actividad<br>0 row(s) affected  |
| 3      | 21:49:03 | delete from paciente<br>154184 row(s) affected  |
| 4      | 21:49:10 | delete from habitacion<br>0 row(s) affected     |



### Restauración full backup 2

```

C:\Windows\system32\cmd.exe
C:\Users\Fernando>mysql -u root -p practical < backup_completo_2.sql
Enter password: ****
C:\Users\Fernando>

```



### Select de las tablas

select \* from paciente;

```

9 • select * from paciente;
10 • select * from habitacion;
11 • select * from log_habitacion;
12 • select * from log_actividad;
13 • select count(*) from paciente;
14 • select count(*) from habitacion;
15 • select count(*) from log_habitacion;

```

Result Grid | Filter Rows: [ ] | Edits: [ ] | Export/Import: [ ] | Wrap Cell Contents: [ ] | Fetch rows: [ ]

| idpaciente | edad | genero    |
|------------|------|-----------|
| 100000     | 95   | Otro      |
| 100001     | 40   | Femenino  |
| 100002     | 42   | Masculino |
| 100003     | 8    | Femenino  |
| 100004     | 88   | Masculino |
| 100005     | 23   | Masculino |
| 100006     | 60   | Femenino  |
| 100007     | 99   | Femenino  |
| 100008     | 44   | Femenino  |
| 100009     | 55   | Femenino  |
| .....      | ..   | ..        |



select \* from habitacion;

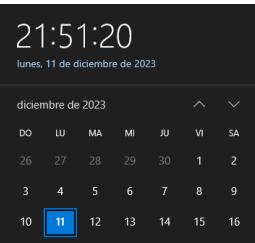
```

9 • select * from paciente;
10 • select * from habitacion;
11 • select * from log_habitacion;
12 • select * from log_actividad;

```

Result Grid | Filter Rows: [ ] | Edits: [ ] | Export/Import: [ ] | Wrap Cell Contents: [ ]

| idhabitacion | habitacion               |
|--------------|--------------------------|
| 1            | Sala de exámenes 1       |
| 2            | Sala de exámenes 2       |
| 3            | Sala de exámenes 3       |
| 4            | Sala de exámenes 4       |
| 5            | Sala de imágenes 1       |
| 6            | Sala de procedimientos 1 |
| 7            | Sala de procedimientos 2 |
| 8            | Sala de procedimientos 3 |
| 9            | Sala de procedimientos 4 |
| 10           | Recepción                |



select \* from log\_habitacion;

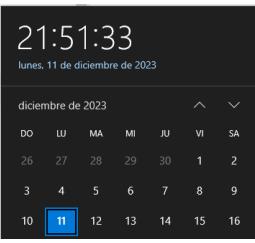
```

9 • select * from paciente;
10 • select * from habitacion;
11 • select * from log_habitacion;
12 • select * from log_actividad;

```

Result Grid | Filter Rows: [ ] | Edits: [ ] | Export/Import: [ ] | Wrap Cell Contents: [ ]

| timestampx          | statusx | idhabitacion |
|---------------------|---------|--------------|
| 2023-12-11 10:51:33 | 1       | 1            |
| 2023-12-11 10:51:33 | 1       | 1            |
| 2023-12-11 10:51:33 | 1       | 1            |



select \* from log\_actividad;

```

9 • select * from paciente;
10 • select * from habitacion;
11 • select * from log_habitacion;
12 • select * from log_actividad;

```

Result Grid | Filter Rows: [ ] | Edits: [ ] | Export/Import: [ ] | Wrap Cell Contents: [ ]

| id_log_actividad | timestampx          | actividad | PACIENTE_idpaciente | HABITACION_idhabitacion |
|------------------|---------------------|-----------|---------------------|-------------------------|
| 1                | 2023-12-11 10:51:33 | 1         | 1                   | 1                       |



Select count(\*) from cada tabla

select count(\*) from paciente;

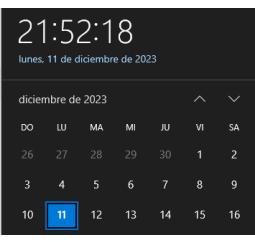
```

10 • select * from habitacion;
11 • select * from log_habitacion;
12 • select * from log_actividad;
13 • select count(*) from paciente;

```

Result Grid | Filter Rows: [ ] | Edits: [ ] | Export/Import: [ ] | Wrap Cell Contents: [ ]

| count(*) |
|----------|
| 154184   |



select count(\*) from habitacion;

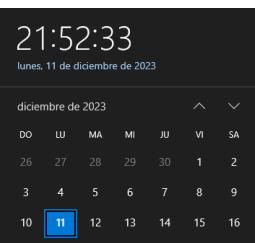
```

11 • select * from log_habitacion;
12 • select * from log_actividad;
13 • select count(*) from paciente;
14 • select count(*) from habitacion;

```

Result Grid | Filter Rows: [ ] | Edits: [ ] | Export/Import: [ ] | Wrap Cell Contents: [ ]

| count(*) |
|----------|
| 15       |



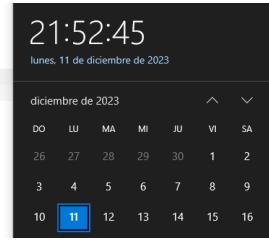
select count(\*) from log\_habitacion;

```

12 • select * from log_actividad;
13 • select count(*) from paciente;
14 • select count(*) from habitacion;
15 • select count(*) from log_habitacion;

```

Result Grid | Filter Rows: [ ] | Export: [ ] | Wrap Cell Content: [ ]  
count(\*)  
0



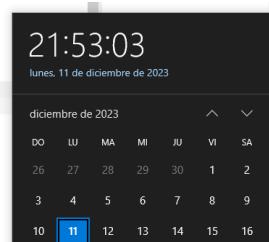
select count(\*) from log\_actividad;

```

12 • select * from log_actividad;
13 • select count(*) from paciente;
14 • select count(*) from habitacion;
15 • select count(*) from log_habitacion;
16 • select count(*) from log_actividad;

```

Result Grid | Filter Rows: [ ] | Export: [ ] | Wrap Cell Content: [ ]  
count(\*)  
0



## Dia 8

### Eliminación de datos

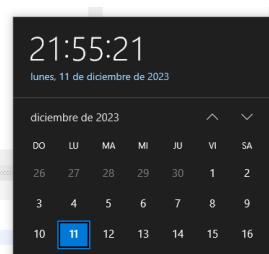
```

8 • select * from habitacion;
9 • select count(*) from log_habitacion;
10 • select count(*) from log_actividad;
11 • select * from log_actividad;
12
13 • delete from habitacion;
14 • delete from paciente;
15 • delete from log_actividad;
16 • delete from log_habitacion;

```

Output

| Action Output | Time     | Action                     | Message                |
|---------------|----------|----------------------------|------------------------|
| 1             | 21:49:49 | delete from log_habitacion | 0 row(s) affected      |
| 2             | 21:49:01 | delete from log_actividad  | 0 row(s) affected      |
| 3             | 21:49:03 | delete from paciente       | 154184 row(s) affected |

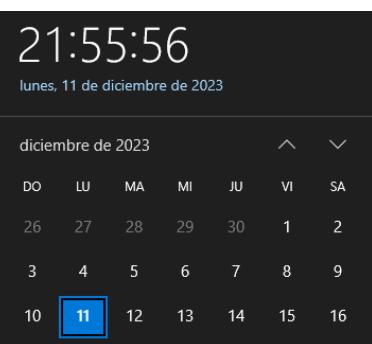


### Restauración full backup 3

```

C:\Windows\system32\cmd.exe
\Users\Fernando>mysql -u root -p practical < backup_completo_3.sql
ter password: *****
\Users\Fernando>

```



### Select de las tablas

select \* from paciente;

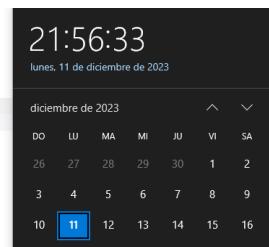
```

9 • select * from paciente;
10 • select * from habitacion;
11 • select * from log_habitacion;
12 • select * from log_actividad;
13 • select count(*) from paciente;
14 • update paciente set edad = 100000;

```

Result Grid | Filter Rows: [ ] | Edit: [ ] [ ] [ ] | Export/Imports: [ ] | Wrap Cell Content: [ ] | Fetch rows: [ ]  
Up/Down | Left/Right | First | Last | Previous | Next |

| Paciente | edad | genero    |
|----------|------|-----------|
| 100000   | 99   | Otro      |
| 100001   | 49   | Femenino  |
| 100002   | 42   | Masculino |
| 100003   | 8    | Femenino  |
| 100004   | 88   | Masculino |
| 100005   | 23   | Masculino |
| 100006   | 60   | Femenino  |
| 100007   | 49   | Femenino  |



`select * from habitacion;`

```
9 • select * from paciente;
10 • select * from habitacion;
11 • select * from log_habitacion;
12 • select * from log_actividad;
13 • select count(*) from paciente;
14 • select count(*) from habitacion;
```

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

| idHabitacion | habitacion               |
|--------------|--------------------------|
| 1            | Sala de exámenes 1       |
| 2            | Sala de exámenes 2       |
| 3            | Sala de exámenes 3       |
| 4            | Sala de exámenes 4       |
| 5            | Sala de imágenes 1       |
| 6            | Sala de procedimientos 1 |
| 7            | Sala de procedimientos 2 |
| 8            | Sala de procedimientos 3 |
| 9            | Sala de procedimientos 4 |
| 10           | Dormitorio               |

21:56:43

lunes, 11 de diciembre de 2023

| diciembre de 2023 |    |    |    |    |    |    |
|-------------------|----|----|----|----|----|----|
| DO                | LU | MA | MI | JU | VI | SA |
| 26                | 27 | 28 | 29 | 30 | 1  | 2  |
| 3                 | 4  | 5  | 6  | 7  | 8  | 9  |
| 10                | 11 | 12 | 13 | 14 | 15 | 16 |
| 17                | 18 | 19 | 20 | 21 | 22 | 23 |

`select * from log_habitacion;`

```
9 • select * from paciente;
10 • select * from habitacion;
11 • select * from log_habitacion;
12 • select * from log_actividad;
13 • select count(*) from paciente;
14 • select count(*) from habitacion;
```

Result Grid | Filter Rows: [ ] | Edit: [ ] | Export/Import: [ ] | Wrap Cell Content: [ ] | Fetch rows: [ ]

| timestmpx            | statusx             | idHabitacion |
|----------------------|---------------------|--------------|
| 5/31/2021 1:01:13 PM | Sala disponible.    | 6            |
| 5/31/2021 1:03:39 PM | Sala no disponible. | 9            |
| 5/31/2021 1:04:45 PM | Inicia limpieza.    | 9            |
| 5/31/2021 1:05:45 PM | Sala disponible.    | 9            |
| 5/31/2021 1:05:55 PM | Sala disponible.    | 13           |
| 5/31/2021 1:10:40 PM | Inicia limpieza.    | 13           |
| 5/31/2021 1:11:37 PM | Inicia limpieza.    | 13           |
| 5/31/2021 1:12:48 PM | Sala disponible.    | 13           |
|                      | Sala no disponible. | 12           |

21:56:57

lunes, 11 de diciembre de 2023

| diciembre de 2023 |    |    |    |    |    |    |
|-------------------|----|----|----|----|----|----|
| DO                | LU | MA | MI | JU | VI | SA |
| 26                | 27 | 28 | 29 | 30 | 1  | 2  |
| 3                 | 4  | 5  | 6  | 7  | 8  | 9  |
| 10                | 11 | 12 | 13 | 14 | 15 | 16 |

`select * from log_actividad;`

```
9 • select * from paciente;
10 • select * from habitacion;
11 • select * from log_habitacion;
12 • select * from log_actividad;
13 • select count(*) from paciente;
14 • select count(*) from habitacion;
```

Result Grid | Filter Rows: [ ] | Edit: [ ] | Export: [ ] | Wrap Cell Content: [ ]

| id_log_actividad | timestmpx            | actividad | PACIENTE_idPaciente | HABITACION_idhabitacion |
|------------------|----------------------|-----------|---------------------|-------------------------|
| 1                | 5/31/2021 1:01:13 PM | Limpieza  | 1                   | 6                       |
| 2                | 5/31/2021 1:03:39 PM | Limpieza  | 2                   | 9                       |
| 3                | 5/31/2021 1:04:45 PM | Limpieza  | 3                   | 9                       |
| 4                | 5/31/2021 1:05:45 PM | Limpieza  | 4                   | 9                       |
| 5                | 5/31/2021 1:05:55 PM | Limpieza  | 5                   | 13                      |
| 6                | 5/31/2021 1:10:40 PM | Limpieza  | 6                   | 13                      |
| 7                | 5/31/2021 1:11:37 PM | Limpieza  | 7                   | 13                      |
| 8                | 5/31/2021 1:12:48 PM | Limpieza  | 8                   | 13                      |

21:57:08

lunes, 11 de diciembre de 2023

| diciembre de 2023 |    |    |    |    |    |    |
|-------------------|----|----|----|----|----|----|
| DO                | LU | MA | MI | JU | VI | SA |
| 26                | 27 | 28 | 29 | 30 | 1  | 2  |
| 3                 | 4  | 5  | 6  | 7  | 8  | 9  |
| 10                | 11 | 12 | 13 | 14 | 15 | 16 |

Select count(\*) from cada tabla

`select count(*) from paciente;`

```
9 • select * from paciente;
10 • select * from habitacion;
11 • select * from log_habitacion;
12 • select * from log_actividad;
13 • select count(*) from paciente;
14 • select count(*) from habitacion;
```

Result Grid | Filter Rows: [ ] | Export: [ ] | Wrap Cell Content: [ ]

| count(*) |
|----------|
| 154184   |

21:57:36

lunes, 11 de diciembre de 2023

| diciembre de 2023 |    |    |    |    |    |    |
|-------------------|----|----|----|----|----|----|
| DO                | LU | MA | MI | JU | VI | SA |
| 26                | 27 | 28 | 29 | 30 | 1  | 2  |
| 3                 | 4  | 5  | 6  | 7  | 8  | 9  |
| 10                | 11 | 12 | 13 | 14 | 15 | 16 |

`select count(*) from habitacion;`

```
9 • select * from paciente;
10 • select * from habitacion;
11 • select * from log_habitacion;
12 • select * from log_actividad;
13 • select count(*) from paciente;
14 • select count(*) from habitacion;
```

Result Grid | Filter Rows: [ ] | Export: [ ] | Wrap Cell Content: [ ]

| count(*) |
|----------|
| 15       |

21:57:47

lunes, 11 de diciembre de 2023

| diciembre de 2023 |    |    |    |    |    |    |
|-------------------|----|----|----|----|----|----|
| DO                | LU | MA | MI | JU | VI | SA |
| 26                | 27 | 28 | 29 | 30 | 1  | 2  |
| 3                 | 4  | 5  | 6  | 7  | 8  | 9  |
| 10                | 11 | 12 | 13 | 14 | 15 | 16 |

`select count(*) from log_habitacion;`

```
9 • select * from paciente;
10 • select * from habitacion;
11 • select * from log_habitacion;
12 • select * from log_actividad;
13 • select count(*) from paciente;
14 • select count(*) from habitacion;
15 • select count(*) from log_habitacion;
```

Result Grid | Filter Rows: [ ] | Export: [ ] | Wrap Cell Content: [ ]

| count(*) |
|----------|
| 34617    |

21:58:18

lunes, 11 de diciembre de 2023

| diciembre de 2023 |    |    |    |    |    |    |
|-------------------|----|----|----|----|----|----|
| DO                | LU | MA | MI | JU | VI | SA |
| 26                | 27 | 28 | 29 | 30 | 1  | 2  |
| 3                 | 4  | 5  | 6  | 7  | 8  | 9  |
| 10                | 11 | 12 | 13 | 14 | 15 | 16 |

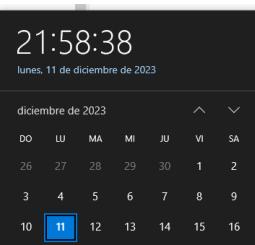
```
select count(*) from log_actividad;
```

```
11 •   select * from log_habitacion;
12 •   select * from log_actividad;
13 •   select count(*) from paciente;
14 •   select count(*) from habitacion;
15 •   select count(*) from log_habitacion;
16 •   select count(*) from log_actividad;
```

Result Grid | Filter Rows: [ ] Export: [ ] Wrap Cell Contents: [ ]

count(\*)

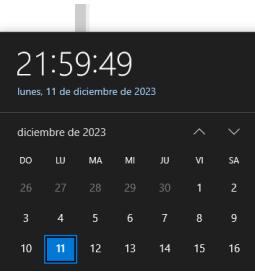
0



## Dia 9

### Eliminación de datos

```
7 •   select * from paciente;
8 •   select * from habitacion;
9 •   select count(*) from log_habitacion;
10 •  select count(*) from log_actividad;
11 •  select * from log_actividad;
12
13 •  delete from habitacion;
14 •  delete from paciente;
15 •  delete from log_actividad;
16 •  delete from log_habitacion;
17
18 •  LOAD DATA INFILE 'C:\\\\ProgramData\\\\MySQL\\\\MySQL Server 8.0\\\\Uploads\\\\Pacientes.csv'
19      INTO TABLE paciente
20      FIELDS TERMINATED BY ',';
21      ENCLOSED BY '\"';
22      LINES TERMINATED BY '\\n';
23      IGNORE 1 LINES;
--
```



### Restauración full backup 4

```
21:58:38
lunes, 11 de diciembre de 2023
21:58:38
lunes, 11 de diciembre de 2023

C:\Users\Fernando>mysql -u root -p practica1 < backup_completo_4.sql
Enter password: ****
C:\Users\Fernando>
```

22:00:29

lunes, 11 de diciembre de 2023

diciembre de 2023

| DO | LU | MA | MI | JU | VI | SA |
|----|----|----|----|----|----|----|
| 26 | 27 | 28 | 29 | 30 | 1  | 2  |
| 3  | 4  | 5  | 6  | 7  | 8  | 9  |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |

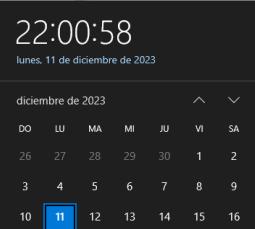
### Select de las tablas

```
select * from paciente;
```

```
8
9 •  select * from paciente;
10 • select * from habitacion;
11 • select * from log_habitacion;
12 • select * from log_actividad;
13 • select count(*) from paciente;
14 • select count(*) from habitacion;
```

Result Grid | Filter Rows: [ ] Edit: [ ] Export/Import: [ ] Wrap Cell Contents: [ ] Fetch rows: [ ]

| idPaciente | edad | genero    |
|------------|------|-----------|
| 100001     | 95   | Otro      |
| 100001     | 40   | Femenino  |
| 100002     | 42   | Masculino |
| 100003     | 30   | Femenino  |
| 100004     | 88   | Masculino |
| 100005     | 23   | Masculino |
| 100006     | 60   | Femenino  |
| 100007     | 49   | Femenino  |

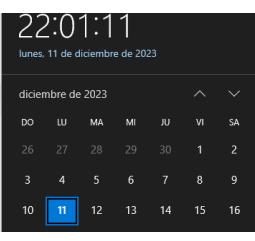


```
select * from habitacion;
```

```
10 •  select * from habitacion;
11 •  select * from log_habitacion;
12 •  select * from log_actividad;
13 •  select count(*) from paciente;
14 •  select count(*) from habitacion;
```

Result Grid | Filter Rows: [ ] Edit: [ ] Export/Import: [ ] Wrap Cell Contents: [ ]

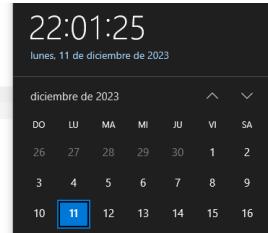
| idHabitacion | habitacion               |
|--------------|--------------------------|
| 1            | Sala de exámenes 1       |
| 2            | Sala de exámenes 2       |
| 3            | Sala de exámenes 3       |
| 4            | Sala de exámenes 4       |
| 5            | Sala de imágenes 1       |
| 6            | Sala de procedimientos 1 |
| 7            | Sala de procedimientos 2 |
| 8            | Sala de procedimientos 3 |



```
select * from log_habitacion;
```

```
9 • select * from paciente;
10 • select * from habitacion;
11 • select * from log_habitacion;
12 • select * from log_actividad;
13 • select count(*) from paciente;
14 • select count(*) from habitacion;
```

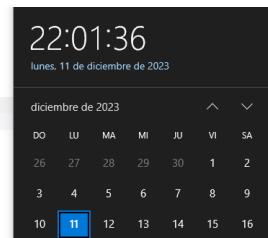
| timestamp           | status              | idhabitacion |
|---------------------|---------------------|--------------|
| 5/3/2021 1:01:31 PM | Sala disponible.    | 6            |
| 5/3/2021 1:03:19 PM | Sala no disponible. | 9            |
| 5/3/2021 1:04:40 PM | Inicia limpieza.    | 9            |
| 5/3/2021 1:08:29 PM | Sala disponible.    | 9            |
| 5/3/2021 1:10:15 PM | Sala no disponible. | 13           |
| 5/3/2021 1:10:42 PM | Inicia limpieza.    | 13           |
| 5/3/2021 1:11:37 PM | Sala disponible.    | 13           |
| 5/3/2021 1:12:48 PM | Sala no disponible. | 12           |



```
select * from log_actividad;
```

```
-  
9 • select * from paciente;  
10 • select * from habitacion;  
11 • select * from log_habitacion;  
12 • select * from log_actividad;  
13 • select count(*) from paciente;  
14 • select count(*) from habitacion;
```

| RowID  | Log_Actividad        | Timestamp | Actividad  | PACIENTE_idPaciente | HABITACION_idHabitacion |
|--------|----------------------|-----------|--|---------------------|-------------------------|
| 131071 | 5/12/2021 7:12:14 AM |           | Paciente inicia el registro.                           | 134247              | 10                      |
| 131072 | 5/12/2021 7:13:16 AM |           | Paciente recibe papeleria en recepcion.                | 134247              | 10                      |
| 131073 | 5/12/2021 7:15:54 AM |           | Paciente entrega papeleria.                            | 134247              | 10                      |
| 131074 | 5/12/2021 7:16:33 AM |           | Recepicionista establece la condicion del paciente.    | 134247              | 10                      |
| 131075 | 5/12/2021 7:17:47 AM |           | Enfermera comienza la revision del paciente.           | 134247              | 10                      |
| 131076 | 5/12/2021 7:17:47 AM |           | Enfermera establece que el paciente es tipo 2 y s... . | 134247              | 10                      |
| 131077 | 5/12/2021 7:20:31 AM |           | Medico recibe informacion del paciente.                | 134247              | 10                      |
| 131078 | 5/12/2021 7:20:59 AM |           | Medico revisa el reporte.                              | 134247              | 10                      |

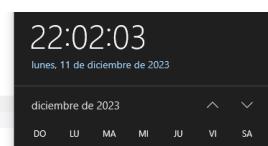


Select count(\*) from cada tabla

```
select count(*) from paciente;
```

```
9 •   select * from paciente;
10 •  select * from habitacion;
11 •  select * from log_habitacion;
12 •  select * from log_actividad;
13 •  select count(*) from paciente;
14 •  select count(*) from habitacion;
```

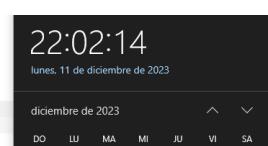
| Result Grid | Filter Rows: | Export: | Wrap Cell Content: |
|-------------|--------------|---------|--------------------|
| count(*)    |              |         |                    |



select count(\*) from habitacion;

```
10 • select * from habitacion;
11 • select * from log_habitacion;
12 • select * from log_actividad;
13 • select count(*) from paciente;
14 • select count(*) from habitacion;
```

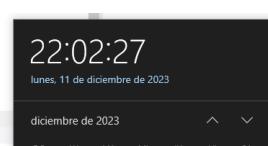
| Result Grid | Filter Rows: | Export: | Wrap Cell Content: |
|-------------|--------------|---------|--------------------|
| count(*)    |              |         |                    |



```
select count(*) from log_habitacion;
```

```
10 • select * from habitacion;
11 • select * from log_habitacion;
12 • select * from log_actividad;
13 • select count(*) from paciente;
14 • select count(*) from habitacion;
15 • select count(*) from log_habitacion;
```

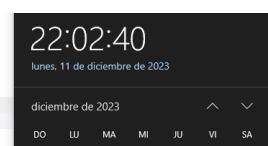
Result Grid | Filter Rows:  Export: Wrap Cell Content:



```
select count(*) from log_actividad;
```

- 12 • `select * from log_actividad;`
- 13 • `select count(*) from paciente;`
- 14 • `select count(*) from habitacion;`
- 15 • `select count(*) from log_habitacion;`
- 16 • `select count(*) from log_actividad;`

| Result Grid | Filter Rows: | Export: | Wrap Cell Content: |
|-------------|--------------|---------|--------------------|
| count(*)    |              |         |                    |



Dia 10

## Eliminación de datos

```
8 • select * from habitacion;
9 • select count(*) from log_habitacion;
10 • select count(*) from log_actividad;
11 • select * from log_actividad;
12
13 • delete from habitacion;
14 • delete from paciente;
15 • delete from log_actividad;
16 • delete from log_habitacion;

input
Action Output
Message
1 22:03:26 delete from log_habitacion
34617 row(s) affected
2 22:03:28 delete from log_actividad
33041 row(s) affected
3 22:03:31 delete from paciente
154184 row(s) affected
4 22:03:35 delete from habitacion
15 row(s) affected

22:03:38
lunes, 11 de diciembre de 2023
diciembre de 2023
DO LU MA MI JU VI SA
26 27 28 29 30 1 2
3 4 5 6 7 8 9
10 11 12 13 14 15 16
17 18 19 20 21 22 23
```

## Restauración full backup 5

C:\Windows\system32\cmd.exe

22:03:38

C:\Users\Fernando>mysql -u root -p practica1 < backup\_completo\_5.sql  
Enter password: \*\*\*\*  
C:\Users\Fernando>

22:04:28

lunes, 11 de diciembre de 2023

| diciembre de 2023 |    |    |    |    |    |    |
|-------------------|----|----|----|----|----|----|
| DO                | LU | MA | MI | JU | VI | SA |
| 26                | 27 | 28 | 29 | 30 | 1  | 2  |
| 3                 | 4  | 5  | 6  | 7  | 8  | 9  |
| 10                | 11 | 12 | 13 | 14 | 15 | 16 |

## Select de las tablas

```
select * from paciente;
```

```
9 •     select * from paciente;
10 •    select * from habitacion;
11 •    select * from log_habitacion;
12 •    select * from log_actividad;
13 •    select count(*) from paciente;
14 •    select count(*) from habitacion;
15 •    select count(*) from log_habitacion;
16 •    select count(*) from log_actividad;
```

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

| iPaciente | edad | genero    |
|-----------|------|-----------|
| 100000    | 95   | Otro      |
| 100001    | 40   | Femenino  |
| 100002    | 42   | Masculino |
| 100003    | 3    | Femenino  |
| 100004    | 88   | Masculino |
| 100005    | 23   | Masculino |
| 100006    | 60   | Femenino  |
| 100007    | 49   | Femenino  |
| 100008    | 44   | Femenino  |
| 100009    | 55   | Femenino  |
| 100010    | 28   | Femenino  |
| 100011    | 13   | Femenino  |
| 100012    | 62   | Masculino |
| 100013    | 32   | Masculino |
| 100014    | 11   | Masculino |

```
select * from habitacion;
```

```
8
9 • select * from paciente;
10 • select * from habitacion;
11 • select * from log_habitacion;
12 • select * from log_actividad;
13 • select count(*) from paciente;
14 • select count(*) from habitacion;
15 • select count(*) from log_habitacion;
```

<input type="button" value="Run" />

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

| idhabitacion | habitacion               |
|--------------|--------------------------|
| 1            | Sala de exámenes 1       |
| 2            | Sala de exámenes 2       |
| 3            | Sala de exámenes 3       |
| 4            | Sala de exámenes 4       |
| 5            | Sala de imágenes 1       |
| 6            | Sala de procedimientos 1 |
| 7            | Sala de procedimientos 2 |
| 8            | Sala de procedimientos 3 |
| 9            | Sala de procedimientos 4 |
| 10           | Recepción                |
| 11           | Laboratorio              |
| 12           | Estación de revisión 1   |
| 13           | Estación de revisión 2   |
| 14           | Estación de revisión 3   |
| 15           | Estación de revisión 4   |
| more         |                          |

```
select * from log_habitacion;
```

```

9 •   select * from paciente;
10 •  select * from habitacion;
11 •  select * from log_habitacion;
12 •  select * from log_actividad;
13 •  select count(*) from paciente;
14 •  select count(*) from habitacion;
15 •  select count(*) from log_habitacion;

```

Result Grid | Filter Rows: [ ] | Edit: [ ] | Export/Import: [ ] | Wrap Cell Content: [ ] | Fetch rows: [ ]

| timestamp            | status              | idhabitacion |
|----------------------|---------------------|--------------|
| 5/31/2021 1:01:31 PM | Sala disponible.    | 6            |
| 5/31/2021 1:03:19 PM | Sala no disponible. | 9            |
| 5/31/2021 1:04:19 PM | Irma limpia.        | 9            |
| 5/31/2021 1:08:20 PM | Sala disponible.    | 9            |
| 5/31/2021 1:10:15 PM | Sala no disponible. | 13           |
| 5/31/2021 1:10:42 PM | Irma limpia.        | 13           |
| 5/31/2021 1:11:37 PM | Sala disponible.    | 13           |
| 5/31/2021 1:13:14 PM | Irma limpia.        | 12           |
| 5/31/2021 1:15:14 PM | Sala disponible.    | 12           |
| 5/31/2021 1:17:11 PM | Sala no disponible. | 14           |
| 5/31/2021 1:17:26 PM | Irma limpia.        | 14           |
| 5/31/2021 1:18:05 PM | Sala disponible.    | 14           |



select \* from log\_actividad;

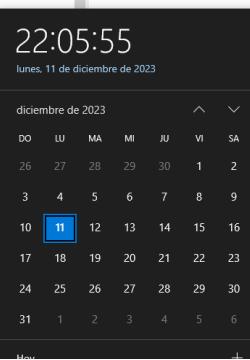
```

8
9 •   select * from paciente;
10 •  select * from habitacion;
11 •  select * from log_habitacion;
12 •  select * from log_actividad;
13 •  select count(*) from paciente;
14 •  select count(*) from habitacion;
15 •  select count(*) from log_habitacion;

```

Result Grid | Filter Rows: [ ] | Edit: [ ] | Export/Import: [ ] | Wrap Cell Content: [ ] | Fetch rows: [ ]

| d_log_actividad | timestamp            | actividad   | PACIENTE_idPaciente | HABITACION_idhabitacion |
|-----------------|----------------------|---|---------------------|-------------------------|
| 131071          | 5/31/2021 7:12:14 AM | Paciente inicia el registro.                      | 134247              | 10                      |
| 131072          | 5/31/2021 7:13:16 AM | Paciente recibe papelera en recepcion.            | 134247              | 10                      |
| 131073          | 5/31/2021 7:15:54 AM | Paciente entrega papelera.                        | 134247              | 10                      |
| 131074          | 5/31/2021 7:16:33 AM | Recepcionista establece la condicon del paciente. | 134247              | 10                      |
| 131075          | 5/31/2021 7:17:07 AM | Enfermera comienza la revision del paciente.      | 134247              | 10                      |
| 131076          | 5/31/2021 7:18:40 AM | Enfermera establece la condicion del paciente.    | 134247              | 10                      |
| 131077          | 5/31/2021 7:20:54 AM | Medico inicia con el traslado del paciente.       | 134247              | 10                      |
| 131078          | 5/31/2021 7:21:00 AM | Paciente inicia el registro.                      | 135641              | 10                      |
| 131079          | 5/31/2021 7:23:01 AM | Paciente recibe papelera en recepcion.            | 135641              | 10                      |
| 131080          | 5/31/2021 7:25:39 AM | Paciente inicia el registro.                      | 180487              | 10                      |
| 131081          | 5/31/2021 7:25:44 AM | Paciente entrega papelera.                        | 135641              | 12                      |
| 131082          | 5/31/2021 7:26:18 AM | Recepcionista establece la condicon del paciente. | 135641              | 12                      |
| 131083          | 5/31/2021 7:26:43 AM | Paciente recibe papelera en recepcion.            | 180487              | 5                       |
| 131084          | 5/31/2021 7:27:33 AM | Enfermera comienza la revision del paciente.      | 135641              | 5                       |
| 131085          | 5/31/2021 7:29:17 AM | Paciente entra en consulta.                       | 180487              | 7                       |



Select count(\*) from cada tabla

select count(\*) from paciente;

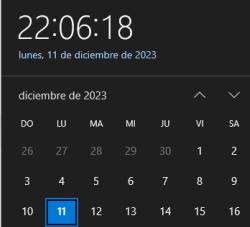
```

8
9 •   select * from paciente;
10 •  select * from habitacion;
11 •  select * from log_habitacion;
12 •  select * from log_actividad;
13 •  select count(*) from paciente;
14 •  select count(*) from habitacion;
15 •  select count(*) from log_habitacion;

```

Result Grid | Filter Rows: [ ] | Export: [ ] | Wrap Cell Content: [ ] | Fetch rows: [ ]

| count(*) |
|----------|
| 154184   |



select count(\*) from habitacion;

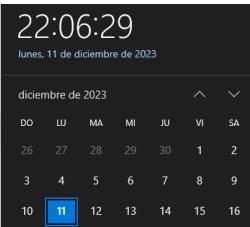
```

9 •   select * from paciente;
10 •  select * from habitacion;
11 •  select * from log_habitacion;
12 •  select * from log_actividad;
13 •  select count(*) from paciente;
14 •  select count(*) from habitacion;
15 •  select count(*) from log_habitacion;

```

Result Grid | Filter Rows: [ ] | Export: [ ] | Wrap Cell Content: [ ] | Fetch rows: [ ]

| count(*) |
|----------|
| 15       |



select count(\*) from log\_habitacion;

```

9 •   select * from paciente;
10 •  select * from habitacion;
11 •  select * from log_habitacion;
12 •  select * from log_actividad;
13 •  select count(*) from paciente;
14 •  select count(*) from habitacion;
15 •  select count(*) from log_habitacion;

```

Result Grid | Filter Rows: [ ] | Export: [ ] | Wrap Cell Content: [ ] | Fetch rows: [ ]

| count(*) |
|----------|
| 54617    |



select count(\*) from log\_actividad;

22:06:55  
lunes, 11 de diciembre de 2023

diciembre de 2023

| DO | LU | MA | MI | JU | VI | SA |
|----|----|----|----|----|----|----|
| 26 | 27 | 28 | 29 | 30 | 1  | 2  |
| 3  | 4  | 5  | 6  | 7  | 8  | 9  |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |

```

9 *   select * from paciente;
10 *  select * from habitacion;
11 *  select * from log_habitacion;
12 *  select * from log_actividad;
13 *  select count(*) from paciente;
14 *  select count(*) from habitacion;
15 *  select count(*) from log_habitacion;
16 *  select count(*) from log_actividad;

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows: |
count(*)
67684

```

Dia 11

## Eliminación de datos

ENCLUSED BY  
LINES TERMINATED BY '\n'

Action Output

| # | Time     | Action                     | Message                |
|---|----------|----------------------------|------------------------|
| 1 | 23:39:26 | delete from log_actividad  | 67684 row(s) affected  |
| 2 | 23:39:28 | delete from log_habitacion | 34617 row(s) affected  |
| 3 | 23:39:29 | delete from habitacion     | 15 row(s) affected     |
| 4 | 23:39:29 | delete from paciente       | 154184 row(s) affected |

diciembre de 2023

| DO | LU | MA | MI | JU | VI | SA |
|----|----|----|----|----|----|----|
| 26 | 27 | 28 | 29 | 30 | 1  | 2  |
| 3  | 4  | 5  | 6  | 7  | 8  | 9  |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | 1  | 2  | 3  | 4  | 5  | 6  |

- 30 mins + ► Concentración

ENGLISH LAA 23:39 11/12/2023

## Restauración de backup incremental 1

```

C:\Users\erick>mysqlbinlog "C:\ProgramData\MySQL\MySQL Server 8.0\Data\WORKSTATION-bin.000028" > backup_incremental_5.sql
l

C:\Users\erick>mysql -u root -p practical < backup_incremental_1.sql
Enter password: ****

C:\Users\erick>
  5 00:04:33 select count(*) from log_habitacion LIMIT 0, 1000
  6 00:04:33 select count(*) from log_actividad LIMIT 0, 1000
  7 00:04:33 select count(*) from log_habitacion LIMIT 0, 1000
  8 00:04:33 select count(*) from log_actividad LIMIT 0, 1000

```

diciembre de 2023

| DO | LU | MA | MI | JU | VI | SA |
|----|----|----|----|----|----|----|
| 26 | 27 | 28 | 29 | 30 | 1  | 2  |
| 3  | 4  | 5  | 6  | 7  | 8  | 9  |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | 1  | 2  | 3  | 4  | 5  | 6  |

- 30 mins + ► Concentración

ENGLISH LAA 00:05 12/12/2023

## Select \* from cada tabla

select \* from paciente;

Result Grid | Filter Rows: | Export/Import: | Wrap Cell Content: | Fetch rows: |

| idpaciente | edad | genero    |
|------------|------|-----------|
| 100000     | 95   | Otro      |
| 100001     | 40   | Femenino  |
| 100002     | 42   | Masculino |
| 100003     | 8    | Femenino  |
| 100004     | 38   | Masculino |
| 100005     | 23   | Masculina |
| 100006     | 60   | Femenino  |
| 100007     | 49   | Femenino  |
| 100008     | 44   | Femenino  |
| 100009     | 55   | Femenino  |
| 100010     | 28   | Femenino  |
| 100011     | 13   | Femenino  |
| 100012     | 62   | Masculino |
| 100013     | 32   | Masculino |
| 100014     | 11   | Masculino |
| 100015     | 50   | Femenino  |
| 100016     | 39   | Masculino |
| 100017     | 55   | Femenino  |
| 100018     | 61   | Masculino |

paciente 20 x

Action Output

| # | Time     | Action  | Message           | Duration / Fetch      |
|---|----------|---|-------------------|-----------------------|
| 1 | 00:04:14 | select count(*) from paciente LIMIT 0, 1000       | 1 row(s) returned | 0.000 sec / 0.000 sec |
| 2 | 00:04:14 | select count(*) from habitacion LIMIT 0, 1000     | 1 row(s) returned | 0.000 sec / 0.000 sec |
| 3 | 00:04:14 | select count(*) from log_habitacion LIMIT 0, 1000 | 1 row(s) returned | 0.000 sec / 0.000 sec |
| 4 | 00:04:14 | select count(*) from log_actividad LIMIT 0, 1000  | 1 row(s) returned | 0.000 sec / 0.000 sec |
| 5 | 00:04:33 | select count(*) from paciente LIMIT 0, 1000       | 1 row(s) returned | 0.000 sec / 0.000 sec |
| 6 | 00:04:33 | select count(*) from habitacion LIMIT 0, 1000     | 1 row(s) returned | 0.000 sec / 0.000 sec |
| 7 | 00:04:33 | select count(*) from log_habitacion LIMIT 0, 1000 | 1 row(s) returned | 0.000 sec / 0.000 sec |

Result Grid | Form Editor | Field Types | Query Stats | Execution Plan | Context Help | Snippets

ENGLISH LAA 00:05 12/12/2023

select \* from habitacion;

The screenshot shows the MySQL Workbench interface with a query editor window. The SQL statement is: `select * from habitacion;`. The results grid shows one row with columns `idHabitacion` and `habitacion`, both containing the value `HABITACION`. The status bar at the bottom right indicates the time is 00:05 and the date is 12/12/2023.

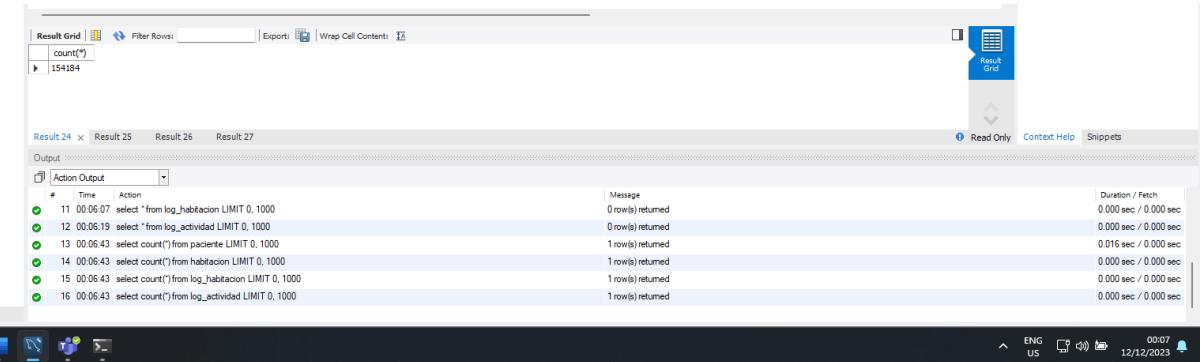
select \* from log\_habitacion;

The screenshot shows the MySQL Workbench interface with a query editor window. The SQL statement is: `select * from log_habitacion;`. The results grid shows three rows with columns `timestampx`, `statusx`, and `idHabitacion`, all containing `NULL`. The status bar at the bottom right indicates the time is 00:06 and the date is 12/12/2023.

select \* from log\_actividad;

The screenshot shows the MySQL Workbench interface with a query editor window. The SQL statement is: `select * from log_actividad;`. The results grid shows four rows with columns `id_log_actividad`, `timestampx`, `actividad`, `PACIENTE_idPaciente`, and `HABITACION_idhabitacion`, all containing `NULL`. The status bar at the bottom right indicates the time is 00:06 and the date is 12/12/2023.

Select count(\*) from cada tabla  
 select count(\*) from paciente;



Result Grid | Filter Rows: Export: Wrap Cell Content: Result Grid

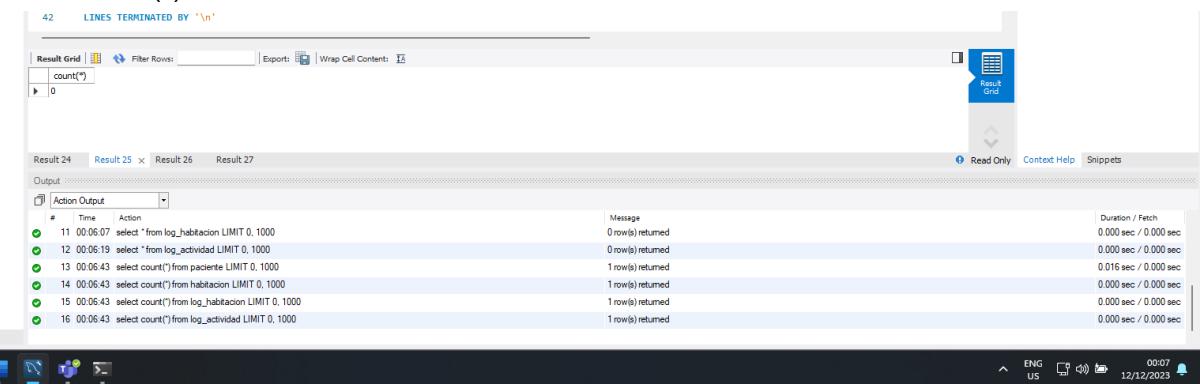
Result 24 x Result 25 Result 26 Result 27

Output Action Output

| #  | Time     | Action  | Message           | Duration / Fetch      |
|----|----------|---|-------------------|-----------------------|
| 11 | 00:06:07 | select * from log_habitacion LIMIT 0, 1000        | 0 row(s) returned | 0.000 sec / 0.000 sec |
| 12 | 00:06:19 | select * from log_actividad LIMIT 0, 1000         | 0 row(s) returned | 0.000 sec / 0.000 sec |
| 13 | 00:06:43 | select count(*) from paciente LIMIT 0, 1000       | 1 row(s) returned | 0.016 sec / 0.000 sec |
| 14 | 00:06:43 | select count(*) from habitacion LIMIT 0, 1000     | 1 row(s) returned | 0.000 sec / 0.000 sec |
| 15 | 00:06:43 | select count(*) from log_habitacion LIMIT 0, 1000 | 1 row(s) returned | 0.000 sec / 0.000 sec |
| 16 | 00:06:43 | select count(*) from log_actividad LIMIT 0, 1000  | 1 row(s) returned | 0.000 sec / 0.000 sec |

ENG US 00:07 12/12/2023

select count(\*) from habitacion;



42 LINES TERMINATED BY '\n'

Result Grid | Filter Rows: Export: Wrap Cell Content: Result Grid

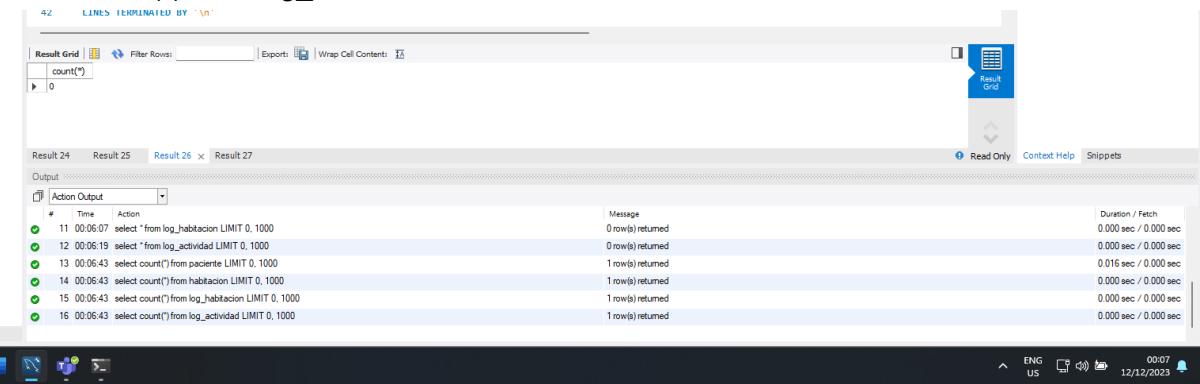
Result 24 Result 25 Result 26 Result 27

Output Action Output

| #  | Time     | Action  | Message           | Duration / Fetch      |
|----|----------|---|-------------------|-----------------------|
| 11 | 00:06:07 | select * from log_habitacion LIMIT 0, 1000        | 0 row(s) returned | 0.000 sec / 0.000 sec |
| 12 | 00:06:19 | select * from log_actividad LIMIT 0, 1000         | 0 row(s) returned | 0.000 sec / 0.000 sec |
| 13 | 00:06:43 | select count(*) from paciente LIMIT 0, 1000       | 1 row(s) returned | 0.016 sec / 0.000 sec |
| 14 | 00:06:43 | select count(*) from habitacion LIMIT 0, 1000     | 1 row(s) returned | 0.000 sec / 0.000 sec |
| 15 | 00:06:43 | select count(*) from log_habitacion LIMIT 0, 1000 | 1 row(s) returned | 0.000 sec / 0.000 sec |
| 16 | 00:06:43 | select count(*) from log_actividad LIMIT 0, 1000  | 1 row(s) returned | 0.000 sec / 0.000 sec |

ENG US 00:07 12/12/2023

select count(\*) from log\_habitacion;



42 LINES TERMINATED BY '\n'

Result Grid | Filter Rows: Export: Wrap Cell Content: Result Grid

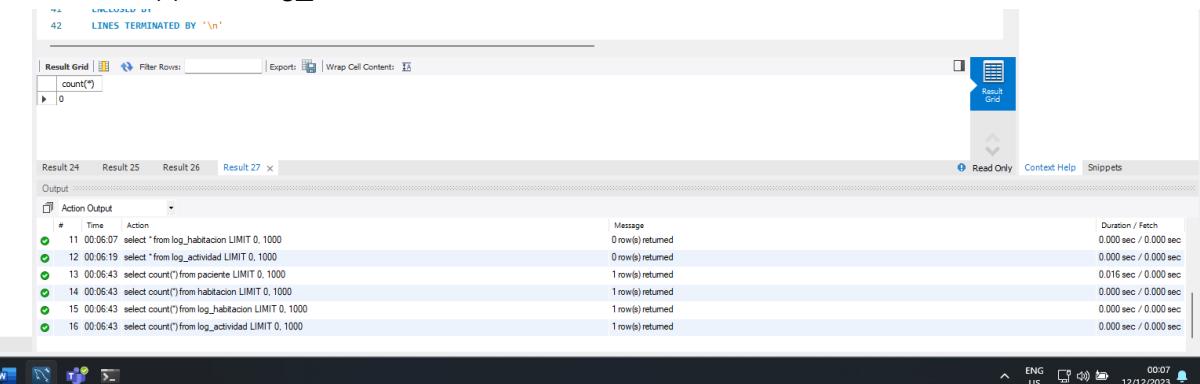
Result 24 Result 25 Result 26 Result 27

Output Action Output

| #  | Time     | Action  | Message           | Duration / Fetch      |
|----|----------|---|-------------------|-----------------------|
| 11 | 00:06:07 | select * from log_habitacion LIMIT 0, 1000        | 0 row(s) returned | 0.000 sec / 0.000 sec |
| 12 | 00:06:19 | select * from log_actividad LIMIT 0, 1000         | 0 row(s) returned | 0.000 sec / 0.000 sec |
| 13 | 00:06:43 | select count(*) from paciente LIMIT 0, 1000       | 1 row(s) returned | 0.016 sec / 0.000 sec |
| 14 | 00:06:43 | select count(*) from habitacion LIMIT 0, 1000     | 1 row(s) returned | 0.000 sec / 0.000 sec |
| 15 | 00:06:43 | select count(*) from log_habitacion LIMIT 0, 1000 | 1 row(s) returned | 0.000 sec / 0.000 sec |
| 16 | 00:06:43 | select count(*) from log_actividad LIMIT 0, 1000  | 1 row(s) returned | 0.000 sec / 0.000 sec |

ENG US 00:07 12/12/2023

select count(\*) from log\_actividad;



42 LINES TERMINATED BY '\n'

Result Grid | Filter Rows: Export: Wrap Cell Content: Result Grid

Result 24 Result 25 Result 26 Result 27

Output Action Output

| #  | Time     | Action  | Message           | Duration / Fetch      |
|----|----------|---|-------------------|-----------------------|
| 11 | 00:06:07 | select * from log_habitacion LIMIT 0, 1000        | 0 row(s) returned | 0.000 sec / 0.000 sec |
| 12 | 00:06:19 | select * from log_actividad LIMIT 0, 1000         | 0 row(s) returned | 0.000 sec / 0.000 sec |
| 13 | 00:06:43 | select count(*) from paciente LIMIT 0, 1000       | 1 row(s) returned | 0.016 sec / 0.000 sec |
| 14 | 00:06:43 | select count(*) from habitacion LIMIT 0, 1000     | 1 row(s) returned | 0.000 sec / 0.000 sec |
| 15 | 00:06:43 | select count(*) from log_habitacion LIMIT 0, 1000 | 1 row(s) returned | 0.000 sec / 0.000 sec |
| 16 | 00:06:43 | select count(*) from log_actividad LIMIT 0, 1000  | 1 row(s) returned | 0.000 sec / 0.000 sec |

ENG US 00:07 12/12/2023

## Dia 12

### Eliminación de datos

```
53 • LOAD DATA INFILE 'C:\ProgramData\MySQL\MySQL Server 8.0\Uploads\LogActividades2.csv' INTO TABLE log_actividad
```

| # | Time     | Action                     | Message                | Duration / Fetch |
|---|----------|----------------------------|------------------------|------------------|
| 1 | 00:08:29 | delete from log_actividad  | 0 row(s) affected      | 0.000 sec        |
| 2 | 00:08:29 | delete from log_habitacion | 0 row(s) affected      | 0.000 sec        |
| 3 | 00:08:29 | delete from habitacion     | 0 row(s) affected      | 0.000 sec        |
| 4 | 00:08:29 | delete from paciente       | 154184 row(s) affected | 2.515 sec        |

### Restauración de backup incremental 2

```
C:\Users\erick>mysql -u root -p practical < backup_incremental_2.sql
Enter password: ****
```

| # | Time     | Action  | Message                | Duration / Fetch      |
|---|----------|---|------------------------|-----------------------|
| 3 | 00:08:29 | delete from habitacion                            | 0 row(s) affected      | 0.000 sec             |
| 4 | 00:08:29 | delete from paciente                              | 154184 row(s) affected | 2.515 sec             |
| 5 | 00:09:08 | select count(*) from paciente LIMIT 0, 1000       | 1 row(s) returned      | 0.000 sec / 0.000 sec |
| 6 | 00:09:08 | select count(*) from habitacion LIMIT 0, 1000     | 1 row(s) returned      | 0.000 sec / 0.000 sec |
| 7 | 00:09:08 | select count(*) from log_habitacion LIMIT 0, 1000 | 1 row(s) returned      | 0.000 sec / 0.000 sec |
| 8 | 00:09:08 | select count(*) from log_actividad LIMIT 0, 1000  | 1 row(s) returned      | 0.000 sec / 0.000 sec |

Select \* from cada tabla

select \* from paciente;

| idpaciente | edad | genero |
|------------|------|--------|
| NULL       | NULL | NULL   |

Output

| # | Time     | Action  | Message                | Duration / Fetch      |
|---|----------|---|------------------------|-----------------------|
| 4 | 00:08:29 | delete from paciente                              | 154184 row(s) affected | 2.515 sec             |
| 5 | 00:09:08 | select count(*) from paciente LIMIT 0, 1000       | 1 row(s) returned      | 0.000 sec / 0.000 sec |
| 6 | 00:09:08 | select count(*) from habitacion LIMIT 0, 1000     | 1 row(s) returned      | 0.000 sec / 0.000 sec |
| 7 | 00:09:08 | select count(*) from log_habitacion LIMIT 0, 1000 | 1 row(s) returned      | 0.000 sec / 0.000 sec |
| 8 | 00:09:08 | select count(*) from log_actividad LIMIT 0, 1000  | 1 row(s) returned      | 0.000 sec / 0.000 sec |
| 9 | 00:09:48 | select * from paciente LIMIT 0, 1000              | 0 row(s) returned      | 0.000 sec / 0.000 sec |

select \* from habitacion;

| idhabitacion | nombre                   |
|--------------|--------------------------|
| 1            | Sala de exámenes 1       |
| 2            | Sala de exámenes 2       |
| 3            | Sala de exámenes 3       |
| 4            | Sala de exámenes 4       |
| 5            | Sala de imágenes 1       |
| 6            | Sala de procedimientos 1 |
| 7            | Sala de procedimientos 2 |
| 8            | Sala de procedimientos 3 |
| 9            | Sala de procedimientos 4 |
| 10           | Recepción                |
| 11           | Laboratorio              |
| 12           | Estación de revisión 1   |
| 13           | Estación de revisión 2   |
| 14           | Estación de revisión 3   |
| 15           | Estación de revisión 4   |
| ...          | ...                      |
| 16           | ...                      |

Output

| #  | Time     | Action  | Message            | Duration / Fetch      |
|----|----------|---|--------------------|-----------------------|
| 5  | 00:09:08 | select count(*) from paciente LIMIT 0, 1000       | 1 row(s) returned  | 0.000 sec / 0.000 sec |
| 6  | 00:09:08 | select count(*) from habitacion LIMIT 0, 1000     | 1 row(s) returned  | 0.000 sec / 0.000 sec |
| 7  | 00:09:08 | select count(*) from log_habitacion LIMIT 0, 1000 | 1 row(s) returned  | 0.000 sec / 0.000 sec |
| 8  | 00:09:08 | select count(*) from log_actividad LIMIT 0, 1000  | 1 row(s) returned  | 0.000 sec / 0.000 sec |
| 9  | 00:09:48 | select * from paciente LIMIT 0, 1000              | 0 row(s) returned  | 0.000 sec / 0.000 sec |
| 10 | 00:09:59 | select * from habitacion LIMIT 0, 1000            | 15 row(s) returned | 0.000 sec / 0.000 sec |

select \* from log\_habitacion;

36 IGNORE 1 LINES;

The screenshot shows the Oracle SQL Developer interface with the following details:

- Result Grid:** Shows the query `select * from log_habitacion;` with no results.
- Action Output:** Displays the execution history with 11 entries, all successful (green), showing the time, action (e.g., `select count(*)`), message (e.g., `1 row(s) returned`), and duration (e.g., `0.000 sec / 0.000 sec`).
- System Status:** Shows the date as 12/12/2023 and time as 00:10.

`select * from log_actividad;`

36 IGNORE 1 LINES;

The screenshot shows the Oracle SQL Developer interface with the following details:

- Result Grid:** Shows the query `select * from log_actividad;` with no results.
- Action Output:** Displays the execution history with 12 entries, all successful (green), showing the time, action (e.g., `select count(*)`), message (e.g., `1 row(s) returned`), and duration (e.g., `0.000 sec / 0.000 sec`).
- System Status:** Shows the date as 12/12/2023 and time as 00:10.

Select count(\*) from cada tabla

`select count(*) from paciente;`

36 IGNORE 1 LINES;

The screenshot shows the Oracle SQL Developer interface with the following details:

- Result Grid:** Shows the query `select count(*) from paciente;` with one result: `count(*)` is 0.
- Action Output:** Displays the execution history with 16 entries, all successful (green), showing the time, action (e.g., `select count(*)`), message (e.g., `0 row(s) returned`), and duration (e.g., `0.000 sec / 0.000 sec`).
- System Status:** Shows the date as 12/12/2023 and time as 00:10.

`select count(*) from habitacion;`

36 IGNORE 1 LINES;

| Result Grid |  | Filter Rows: | Export: | Wrap Cell Content: |
|-------------|--|--------------|---------|--------------------|
| count(*)    |  |              |         |                    |
| 15          |  |              |         |                    |

Result 40 Result 41 x Result 42 Result 43

Output

Action Output

| #  | Time     | Action  | Message           | Duration / Fetch      |
|----|----------|---|-------------------|-----------------------|
| 11 | 00:10:20 | select * from log_habitacion LIMIT 0, 1000        | 0 row(s) returned | 0.000 sec / 0.000 sec |
| 12 | 00:10:33 | select * from log_actividad LIMIT 0, 1000         | 0 row(s) returned | 0.000 sec / 0.000 sec |
| 13 | 00:10:46 | select count(*) from paciente LIMIT 0, 1000       | 1 row(s) returned | 0.000 sec / 0.000 sec |
| 14 | 00:10:46 | select count(*) from habitacion LIMIT 0, 1000     | 1 row(s) returned | 0.000 sec / 0.000 sec |
| 15 | 00:10:46 | select count(*) from log_habitacion LIMIT 0, 1000 | 1 row(s) returned | 0.000 sec / 0.000 sec |
| 16 | 00:10:46 | select count(*) from log_actividad LIMIT 0, 1000  | 1 row(s) returned | 0.000 sec / 0.000 sec |

ENG US 00:11 12/12/2023

select count(\*) from log\_habitacion;

35 LINES TERMINATED BY '\n'

36 IGNORE 1 LINES;

| Result Grid |  | Filter Rows: | Export: | Wrap Cell Content: |
|-------------|--|--------------|---------|--------------------|
| count(*)    |  |              |         |                    |
| 0           |  |              |         |                    |

Result 40 Result 41 Result 42 x Result 43

Output

Action Output

| #  | Time     | Action  | Message           | Duration / Fetch      |
|----|----------|---|-------------------|-----------------------|
| 1  | Time     | Action  |                   |                       |
| 11 | 00:10:20 | select * from log_habitacion LIMIT 0, 1000        | 0 row(s) returned | 0.000 sec / 0.000 sec |
| 12 | 00:10:33 | select * from log_actividad LIMIT 0, 1000         | 0 row(s) returned | 0.000 sec / 0.000 sec |
| 13 | 00:10:46 | select count(*) from paciente LIMIT 0, 1000       | 1 row(s) returned | 0.000 sec / 0.000 sec |
| 14 | 00:10:46 | select count(*) from habitacion LIMIT 0, 1000     | 1 row(s) returned | 0.000 sec / 0.000 sec |
| 15 | 00:10:46 | select count(*) from log_habitacion LIMIT 0, 1000 | 1 row(s) returned | 0.000 sec / 0.000 sec |
| 16 | 00:10:46 | select count(*) from log_actividad LIMIT 0, 1000  | 1 row(s) returned | 0.000 sec / 0.000 sec |

ENG US 00:11 12/12/2023

select count(\*) from log\_actividad;

36 IGNORE 1 LINES;

| Result Grid |  | Filter Rows: | Export: | Wrap Cell Content: |
|-------------|--|--------------|---------|--------------------|
| count(*)    |  |              |         |                    |
| 0           |  |              |         |                    |

Result 40 Result 41 Result 42 x Result 43

Output

Action Output

| #  | Time     | Action  | Message           | Duration / Fetch      |
|----|----------|---|-------------------|-----------------------|
| 1  | Time     | Action  |                   |                       |
| 11 | 00:10:20 | select * from log_habitacion LIMIT 0, 1000        | 0 row(s) returned | 0.000 sec / 0.000 sec |
| 12 | 00:10:33 | select * from log_actividad LIMIT 0, 1000         | 0 row(s) returned | 0.000 sec / 0.000 sec |
| 13 | 00:10:46 | select count(*) from paciente LIMIT 0, 1000       | 1 row(s) returned | 0.000 sec / 0.000 sec |
| 14 | 00:10:46 | select count(*) from habitacion LIMIT 0, 1000     | 1 row(s) returned | 0.000 sec / 0.000 sec |
| 15 | 00:10:46 | select count(*) from log_habitacion LIMIT 0, 1000 | 1 row(s) returned | 0.000 sec / 0.000 sec |
| 16 | 00:10:46 | select count(*) from log_actividad LIMIT 0, 1000  | 1 row(s) returned | 0.000 sec / 0.000 sec |

ENG US 00:11 12/12/2023

Dia 13

Eliminación de datos

37 LINES TERMINATED BY '\n'

| Result Grid   |  | Filter Rows: | Export: | Wrap Cell Content: |
|---------------|--|--------------|---------|--------------------|
| Output        |  |              |         |                    |
| Action Output |  |              |         |                    |

Action Output

| #  | Time     | Action  | Message            | Duration / Fetch      |
|----|----------|---|--------------------|-----------------------|
| 15 | 00:10:46 | select count(*) from log_habitacion LIMIT 0, 1000 | 1 row(s) returned  | 0.000 sec / 0.000 sec |
| 16 | 00:10:46 | select count(*) from log_actividad LIMIT 0, 1000  | 1 row(s) returned  | 0.000 sec / 0.000 sec |
| 17 | 00:11:57 | delete from log_actividad                         | 0 row(s) affected  | 0.000 sec             |
| 18 | 00:11:57 | delete from log_habitacion                        | 0 row(s) affected  | 0.000 sec             |
| 19 | 00:11:57 | delete from habitacion                            | 15 row(s) affected | 0.000 sec             |
| 20 | 00:11:57 | delete from paciente                              | 0 row(s) affected  | 0.000 sec             |

ENG US 00:12 12/12/2023

## Restauración de backup incremental 3

```
Enter password: ****
C:\Users\erick>mysql -u root -p practical < backup_incremental_3.sql
Enter password: ****
C:\Users\erick>
```

Select \* from cada tabla

select \* from paciente;

```
paciente 48 x
Output
Action Output
# Time Action Message Duration / Fetch
1 00:13:51 select *from paciente LIMIT 0, 1000 0 row(s) returned 0.000 sec / 0.000 sec
```

select \* from habitacion;

```
habitacion 49 x
Output
Action Output
# Time Action Message Duration / Fetch
1 00:13:51 select *from paciente LIMIT 0, 1000 0 row(s) returned 0.000 sec / 0.000 sec
2 00:14:03 select *from habitacion LIMIT 0, 1000 0 row(s) returned 0.000 sec / 0.000 sec
```

select \* from log\_habitacion;

```
log_habitacion 50 x
Output
Action Output
# Time Action Message Duration / Fetch
1 00:13:51 select *from paciente LIMIT 0, 1000 0 row(s) returned 0.000 sec / 0.000 sec
2 00:14:03 select *from habitacion LIMIT 0, 1000 0 row(s) returned 0.000 sec / 0.000 sec
3 00:14:16 select *from log_habitacion LIMIT 0, 1000 1000 row(s) returned 0.000 sec / 0.000 sec
```

select \* from log\_actividad;

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

|   | id_log_actividad | timestampx | actividad                                 | PACIENTE_idPaciente | HABITACION_idHabitacion |
|---|------------------|------------|---|---------------------|-------------------------|
| 1 | 1                | 00:13:51   | select *from paciente LIMIT 0, 1000       |                     |                         |
| 2 | 2                | 00:14:03   | select *from habitacion LIMIT 0, 1000     |                     |                         |
| 3 | 3                | 00:14:16   | select *from log_habitacion LIMIT 0, 1000 |                     |                         |
| 4 | 4                | 00:14:31   | select *from log_actividad LIMIT 0, 1000  |                     |                         |

Action Output

| # | Time     | Action                                    | Message              | Duration / Fetch      |
|---|----------|---|----------------------|-----------------------|
| 1 | 00:13:51 | select *from paciente LIMIT 0, 1000       | 0 row(s) returned    | 0.000 sec / 0.000 sec |
| 2 | 00:14:03 | select *from habitacion LIMIT 0, 1000     | 0 row(s) returned    | 0.000 sec / 0.000 sec |
| 3 | 00:14:16 | select *from log_habitacion LIMIT 0, 1000 | 1000 row(s) returned | 0.000 sec / 0.000 sec |
| 4 | 00:14:31 | select *from log_actividad LIMIT 0, 1000  | 0 row(s) returned    | 0.000 sec / 0.000 sec |

Result Grid | Form Editor | Context Help | Snippets | Apply | Revert |

log\_actividad51 x

Output

00:14 ENG US 12/12/2023

Select count(\*) from cada tabla

select count(\*) from paciente;

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

|          |   |
|----------|---|
| count(*) | 0 |
|----------|---|

Action Output

| # | Time     | Action   | Message              | Duration / Fetch      |
|---|----------|--|----------------------|-----------------------|
| 3 | 00:14:16 | select *from log_habitacion LIMIT 0, 1000        | 1000 row(s) returned | 0.000 sec / 0.000 sec |
| 4 | 00:14:31 | select *from log_actividad LIMIT 0, 1000         | 0 row(s) returned    | 0.000 sec / 0.000 sec |
| 5 | 00:14:42 | select count(*)from paciente LIMIT 0, 1000       | 1 row(s) returned    | 0.000 sec / 0.000 sec |
| 6 | 00:14:42 | select count(*)from habitacion LIMIT 0, 1000     | 1 row(s) returned    | 0.000 sec / 0.000 sec |
| 7 | 00:14:42 | select count(*)from log_habitacion LIMIT 0, 1000 | 1 row(s) returned    | 0.000 sec / 0.000 sec |
| 8 | 00:14:42 | select count(*)from log_actividad LIMIT 0, 1000  | 1 row(s) returned    | 0.000 sec / 0.000 sec |

Result 52 x Result 53 Result 54 Result 55 | Read Only | Context Help | Snippets |

Output

00:14 ENG US 12/12/2023

select count(\*) from habitacion;

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

|          |   |
|----------|---|
| count(*) | 0 |
|----------|---|

Action Output

| # | Time     | Action   | Message              | Duration / Fetch      |
|---|----------|--|----------------------|-----------------------|
| 3 | 00:14:16 | select *from log_habitacion LIMIT 0, 1000        | 1000 row(s) returned | 0.000 sec / 0.000 sec |
| 4 | 00:14:31 | select *from log_actividad LIMIT 0, 1000         | 0 row(s) returned    | 0.000 sec / 0.000 sec |
| 5 | 00:14:42 | select count(*)from paciente LIMIT 0, 1000       | 1 row(s) returned    | 0.000 sec / 0.000 sec |
| 6 | 00:14:42 | select count(*)from habitacion LIMIT 0, 1000     | 1 row(s) returned    | 0.000 sec / 0.000 sec |
| 7 | 00:14:42 | select count(*)from log_habitacion LIMIT 0, 1000 | 1 row(s) returned    | 0.000 sec / 0.000 sec |
| 8 | 00:14:42 | select count(*)from log_actividad LIMIT 0, 1000  | 1 row(s) returned    | 0.000 sec / 0.000 sec |

Result 52 Result 53 x Result 54 Result 55 | Read Only | Context Help | Snippets |

Output

00:15 ENG US 12/12/2023

select count(\*) from log\_habitacion;

36 IGNORE 1 LINES;

| Result Grid |  |         |   |
|-------------|--|---------|---|
| count(*)    |  | Export: | Wrap Cell Content: <input type="checkbox"/> |
| 54617       |  |         |   |

Result 52 Result 53 Result 54 **Result 55** x Read Only Context Help Snippets

Output

Action Output

| # | Time     | Action  | Message              | Duration / Fetch      |
|---|----------|---|----------------------|-----------------------|
| 3 | 00:14:16 | select * from log_habitacion LIMIT 0, 1000        | 1000 row(s) returned | 0.000 sec / 0.000 sec |
| 4 | 00:14:31 | select * from log_actividad LIMIT 0, 1000         | 0 row(s) returned    | 0.000 sec / 0.000 sec |
| 5 | 00:14:42 | select count(*) from paciente LIMIT 0, 1000       | 1 row(s) returned    | 0.000 sec / 0.000 sec |
| 6 | 00:14:42 | select count(*) from habitacion LIMIT 0, 1000     | 1 row(s) returned    | 0.000 sec / 0.000 sec |
| 7 | 00:14:42 | select count(*) from log_habitacion LIMIT 0, 1000 | 1 row(s) returned    | 0.000 sec / 0.000 sec |
| 8 | 00:14:42 | select count(*) from log_actividad LIMIT 0, 1000  | 1 row(s) returned    | 0.000 sec / 0.000 sec |

ENG US 00:15 12/12/2023

**select count(\*) from log\_actividad;**

36 IGNORE 1 LINES;

| Result Grid |  |         |   |
|-------------|--|---------|---|
| count(*)    |  | Export: | Wrap Cell Content: <input type="checkbox"/> |
| 0           |  |         |   |

Result 52 Result 53 Result 54 **Result 55** x Read Only Context Help Snippets

Output

Action Output

| # | Time     | Action  | Message              | Duration / Fetch      |
|---|----------|---|----------------------|-----------------------|
| 3 | 00:14:16 | select * from log_habitacion LIMIT 0, 1000        | 1000 row(s) returned | 0.000 sec / 0.000 sec |
| 4 | 00:14:31 | select * from log_actividad LIMIT 0, 1000         | 0 row(s) returned    | 0.000 sec / 0.000 sec |
| 5 | 00:14:42 | select count(*) from paciente LIMIT 0, 1000       | 1 row(s) returned    | 0.000 sec / 0.000 sec |
| 6 | 00:14:42 | select count(*) from habitacion LIMIT 0, 1000     | 1 row(s) returned    | 0.000 sec / 0.000 sec |
| 7 | 00:14:42 | select count(*) from log_habitacion LIMIT 0, 1000 | 1 row(s) returned    | 0.000 sec / 0.000 sec |
| 8 | 00:14:42 | select count(*) from log_actividad LIMIT 0, 1000  | 1 row(s) returned    | 0.000 sec / 0.000 sec |

ENG US 00:15 12/12/2023

## Dia 14

### Eliminación de datos

47 FIELDS TERMINATED BY ' ;'

| Result Grid |               |              |          |
|-------------|---------------|--------------|----------|
| Output      | Action Output | Context Help | Snippets |
|             |               |              |          |

Action Output

| # | Time     | Action                     | Message               | Duration / Fetch |
|---|----------|----------------------------|-----------------------|------------------|
| 1 | 00:15:45 | delete from log_actividad  | 0 row(s) affected     | 0.000 sec        |
| 2 | 00:15:45 | delete from log_habitacion | 34617 row(s) affected | 0.812 sec        |
| 3 | 00:15:46 | delete from habitacion     | 0 row(s) affected     | 0.000 sec        |
| 4 | 00:15:46 | delete from paciente       | 0 row(s) affected     | 0.000 sec        |

ENG US 00:15 12/12/2023

### Restauración de backup incremental 4

```
C:\Users\erick>mysql -u root -p practical < backup_incremental_4.sql
Enter password: ****
C:\Users\erick>
```

0.000 sec  
0.000 sec

ENG US 00:16 12/12/2023

Select \* from cada tabla

**select \* from paciente;**

36 IGNORE 1 LINES

paciente 57 x

Output

Action Output

| # | Time     | Action                                 | Message           | Duration / Fetch      |
|---|----------|--|-------------------|-----------------------|
| 1 | 00:16:42 | selected * from paciente LIMIT 0, 1000 | 0 row(s) returned | 0.000 sec / 0.000 sec |

ENG US 00:16 12/12/2023

**select \* from habitacion;**

habitacion 58 x

Output

Action Output

| # | Time     | Action                                   | Message           | Duration / Fetch      |
|---|----------|--|-------------------|-----------------------|
| 1 | 00:16:42 | selected * from paciente LIMIT 0, 1000   | 0 row(s) returned | 0.000 sec / 0.000 sec |
| 2 | 00:16:52 | selected * from habitacion LIMIT 0, 1000 | 0 row(s) returned | 0.000 sec / 0.000 sec |

ENG US 00:16 12/12/2023

**select \* from log\_habitacion;**

log\_habitacion 59 x

Output

Action Output

| # | Time     | Action                                     | Message           | Duration / Fetch      |
|---|----------|--|-------------------|-----------------------|
| 1 | 00:16:42 | select * from paciente LIMIT 0, 1000       | 0 row(s) returned | 0.000 sec / 0.000 sec |
| 2 | 00:16:52 | select * from habitacion LIMIT 0, 1000     | 0 row(s) returned | 0.000 sec / 0.000 sec |
| 3 | 00:17:03 | select * from log_habitacion LIMIT 0, 1000 | 0 row(s) returned | 0.000 sec / 0.000 sec |

ENG US 00:17 12/12/2023

**select \* from log\_actividad;**

log\_actividad 60 x

Output

Action Output

| # | Time     | Action                                     | Message              | Duration / Fetch      |
|---|----------|--|----------------------|-----------------------|
| 1 | 00:16:42 | select * from paciente LIMIT 0, 1000       | 0 row(s) returned    | 0.000 sec / 0.000 sec |
| 2 | 00:16:52 | select * from habitacion LIMIT 0, 1000     | 0 row(s) returned    | 0.000 sec / 0.000 sec |
| 3 | 00:17:03 | select * from log_habitacion LIMIT 0, 1000 | 0 row(s) returned    | 0.000 sec / 0.000 sec |
| 4 | 00:17:13 | select * from log_actividad LIMIT 0, 1000  | 1000 row(s) returned | 0.000 sec / 0.000 sec |

ENG US 00:17 12/12/2023

Select count(\*) from cada tabla

select count(\*) from paciente;

The screenshot shows a database interface with a results grid. The grid has one row with the value '0'. Below the grid is an 'Action Output' table showing the execution history of the query. The table has columns for #, Time, Action, Message, and Duration / Fetch. The history includes several log entries related to other queries, such as 'select \* from log\_habitacion LIMIT 0, 1000' and 'select count(\*) from log\_actividad LIMIT 0, 1000'. The interface also shows tabs for Result 61, Result 62, Result 63, and Result 64, and various toolbars and status indicators.

|          |   |
|----------|---|
| count(*) | 0 |
|----------|---|

| # | Time     | Action  | Message              | Duration / Fetch      |
|---|----------|---|----------------------|-----------------------|
| 3 | 00:17:03 | select * from log_habitacion LIMIT 0, 1000        | 0 row(s) returned    | 0.000 sec / 0.000 sec |
| 4 | 00:17:13 | select * from log_actividad LIMIT 0, 1000         | 1000 row(s) returned | 0.000 sec / 0.000 sec |
| 5 | 00:17:22 | select count(*) from paciente LIMIT 0, 1000       | 1 row(s) returned    | 0.015 sec / 0.000 sec |
| 6 | 00:17:22 | select count(*) from habitacion LIMIT 0, 1000     | 1 row(s) returned    | 0.000 sec / 0.000 sec |
| 7 | 00:17:22 | select count(*) from log_habitacion LIMIT 0, 1000 | 1 row(s) returned    | 0.000 sec / 0.000 sec |
| 8 | 00:17:22 | select count(*) from log_actividad LIMIT 0, 1000  | 1 row(s) returned    | 0.000 sec / 0.000 sec |

select count(\*) from habitacion;

The screenshot shows a database interface with a results grid. The grid has one row with the value '0'. Below the grid is an 'Action Output' table showing the execution history of the query. The table has columns for #, Time, Action, Message, and Duration / Fetch. The history includes several log entries related to other queries, such as 'select \* from log\_habitacion LIMIT 0, 1000' and 'select count(\*) from log\_actividad LIMIT 0, 1000'. The interface also shows tabs for Result 61, Result 62, Result 63, and Result 64, and various toolbars and status indicators.

|          |   |
|----------|---|
| count(*) | 0 |
|----------|---|

| # | Time     | Action  | Message              | Duration / Fetch      |
|---|----------|---|----------------------|-----------------------|
| 3 | 00:17:03 | select * from log_habitacion LIMIT 0, 1000        | 0 row(s) returned    | 0.000 sec / 0.000 sec |
| 4 | 00:17:13 | select * from log_actividad LIMIT 0, 1000         | 1000 row(s) returned | 0.000 sec / 0.000 sec |
| 5 | 00:17:22 | select count(*) from paciente LIMIT 0, 1000       | 1 row(s) returned    | 0.015 sec / 0.000 sec |
| 6 | 00:17:22 | select count(*) from habitacion LIMIT 0, 1000     | 1 row(s) returned    | 0.000 sec / 0.000 sec |
| 7 | 00:17:22 | select count(*) from log_habitacion LIMIT 0, 1000 | 1 row(s) returned    | 0.000 sec / 0.000 sec |
| 8 | 00:17:22 | select count(*) from log_actividad LIMIT 0, 1000  | 1 row(s) returned    | 0.000 sec / 0.000 sec |

select count(\*) from log\_habitacion;

The screenshot shows a database interface with a results grid. The grid has one row with the value '0'. Below the grid is an 'Action Output' table showing the execution history of the query. The table has columns for #, Time, Action, Message, and Duration / Fetch. The history includes several log entries related to other queries, such as 'select \* from log\_habitacion LIMIT 0, 1000' and 'select count(\*) from log\_actividad LIMIT 0, 1000'. The interface also shows tabs for Result 61, Result 62, Result 63, and Result 64, and various toolbars and status indicators.

|          |   |
|----------|---|
| count(*) | 0 |
|----------|---|

| # | Time     | Action  | Message              | Duration / Fetch      |
|---|----------|---|----------------------|-----------------------|
| 3 | 00:17:03 | select * from log_habitacion LIMIT 0, 1000        | 0 row(s) returned    | 0.000 sec / 0.000 sec |
| 4 | 00:17:13 | select * from log_actividad LIMIT 0, 1000         | 1000 row(s) returned | 0.000 sec / 0.000 sec |
| 5 | 00:17:22 | select count(*) from paciente LIMIT 0, 1000       | 1 row(s) returned    | 0.015 sec / 0.000 sec |
| 6 | 00:17:22 | select count(*) from habitacion LIMIT 0, 1000     | 1 row(s) returned    | 0.000 sec / 0.000 sec |
| 7 | 00:17:22 | select count(*) from log_habitacion LIMIT 0, 1000 | 1 row(s) returned    | 0.000 sec / 0.000 sec |
| 8 | 00:17:22 | select count(*) from log_actividad LIMIT 0, 1000  | 1 row(s) returned    | 0.000 sec / 0.000 sec |

select count(\*) from log\_actividad;

36 IGNORE 1 LINES

Result Grid | Filter Rows: Export: Wrap Cell Content: Result 61 Result 62 Result 63 Result 64 X

|          |
|----------|
| count(*) |
| 33841    |

Action Output

| # | Time     | Action  | Message              | Duration / Fetch      |
|---|----------|---|----------------------|-----------------------|
| 3 | 00:17:03 | selected * from log_habitacion LIMIT 0, 1000        | 0 row(s) returned    | 0.000 sec / 0.000 sec |
| 4 | 00:17:13 | selected * from log_actividad LIMIT 0, 1000         | 1000 row(s) returned | 0.000 sec / 0.000 sec |
| 5 | 00:17:22 | selected count(*) from paciente LIMIT 0, 1000       | 1 row(s) returned    | 0.015 sec / 0.000 sec |
| 6 | 00:17:22 | selected count(*) from habitacion LIMIT 0, 1000     | 1 row(s) returned    | 0.000 sec / 0.000 sec |
| 7 | 00:17:22 | selected count(*) from log_habitacion LIMIT 0, 1000 | 1 row(s) returned    | 0.000 sec / 0.000 sec |
| 8 | 00:17:22 | selected count(*) from log_actividad LIMIT 0, 1000  | 1 row(s) returned    | 0.000 sec / 0.000 sec |

Output

Result 61 Result 62 Result 63 Result 64 X

Context Help Snippets

Read Only

Result Grid Form Editor

ENG US 00:18 12/12/2023

## Dia 15

### Eliminación de datos

Action Output

| #  | Time     | Action  | Message               | Duration / Fetch      |
|----|----------|---|-----------------------|-----------------------|
| 7  | 00:17:22 | select count(*) from log_habitacion LIMIT 0, 1000 | 1 row(s) returned     | 0.000 sec / 0.000 sec |
| 8  | 00:17:22 | select count(*) from log_actividad LIMIT 0, 1000  | 1 row(s) returned     | 0.000 sec / 0.000 sec |
| 9  | 00:18:21 | delete from log_actividad                         | 33841 row(s) affected | 0.938 sec             |
| 10 | 00:18:22 | delete from log_habitacion                        | 0 row(s) affected     | 0.000 sec             |
| 11 | 00:18:22 | delete from habitacion                            | 0 row(s) affected     | 0.000 sec             |
| 12 | 00:18:22 | delete from paciente                              | 0 row(s) affected     | 0.000 sec             |

Output

Context Help Snippets

ENG US 00:18 12/12/2023

### Restauración de backup incremental 5

```
C:\Users\erick>mysql -u root -p practica1 < backup_incremental_5.sql
Enter password: ****
C:\Users\erick>
```

Output

0.938 sec  
0.000 sec  
0.000 sec  
0.000 sec

ENG US 00:18 12/12/2023

Select \* from cada tabla

select \* from paciente;

paciente 65 X

Result Grid | Filter Rows: Edit: Export/Import: Wrap Cell Content: Result 65 X

| idPaciente | edad | genero |
|------------|------|--------|
| 1          | 20   | M      |

Action Output

| # | Time     | Action                                 | Message           | Duration / Fetch      |
|---|----------|--|-------------------|-----------------------|
| 1 | 00:19:04 | selected * from paciente LIMIT 0, 1000 | 0 row(s) returned | 0.000 sec / 0.000 sec |

Output

Result 65 X

Context Help Snippets

Apply Revert

Result Grid Form Editor

ENG US 00:19 12/12/2023

select \* from habitacion;

habitacion 66 x

Output

Action Output

| # | Time     | Action                                 | Message           | Duration / Fetch      |
|---|----------|--|-------------------|-----------------------|
| 1 | 00:19:04 | select * from paciente LIMIT 0, 1000   | 0 row(s) returned | 0.000 sec / 0.000 sec |
| 2 | 00:19:13 | select * from habitacion LIMIT 0, 1000 | 0 row(s) returned | 0.000 sec / 0.000 sec |

log\_habitacion 67 x

Output

Action Output

| # | Time     | Action                                     | Message           | Duration / Fetch      |
|---|----------|--|-------------------|-----------------------|
| 1 | 00:19:04 | select * from paciente LIMIT 0, 1000       | 0 row(s) returned | 0.000 sec / 0.000 sec |
| 2 | 00:19:13 | select * from habitacion LIMIT 0, 1000     | 0 row(s) returned | 0.000 sec / 0.000 sec |
| 3 | 00:19:22 | select * from log_habitacion LIMIT 0, 1000 | 0 row(s) returned | 0.000 sec / 0.000 sec |

select \* from log\_actividad;

log\_actividad 68 x

Output

Action Output

| # | Time     | Action                                     | Message              | Duration / Fetch      |
|---|----------|--|----------------------|-----------------------|
| 1 | 00:19:04 | select * from paciente LIMIT 0, 1000       | 0 row(s) returned    | 0.000 sec / 0.000 sec |
| 2 | 00:19:13 | select * from habitacion LIMIT 0, 1000     | 0 row(s) returned    | 0.000 sec / 0.000 sec |
| 3 | 00:19:22 | select * from log_habitacion LIMIT 0, 1000 | 0 row(s) returned    | 0.000 sec / 0.000 sec |
| 4 | 00:19:48 | select * from log_actividad LIMIT 0, 1000  | 1000 row(s) returned | 0.000 sec / 0.000 sec |

Select count(\*) from cada tabla

select count(\*) from paciente;

```
36 IGNORE 1 LINES;
```

Result Grid | Filter Rows: Export: Wrap Cell Content: Result 73 x Result 74 Result 75 Result 76 Read Only Context Help Snippets Output

| Action Output  |
|--|
| # Time Action Message Duration / Fetch   |
| 1 00:20:03 select count(*) from paciente LIMIT 0, 1000 1 row(s) returned 0.000 sec / 0.000 sec       |
| 2 00:20:03 select count(*) from habitacion LIMIT 0, 1000 1 row(s) returned 0.000 sec / 0.000 sec     |
| 3 00:20:03 select count(*) from log_habitacion LIMIT 0, 1000 1 row(s) returned 0.000 sec / 0.000 sec |
| 4 00:20:03 select count(*) from log_actividad LIMIT 0, 1000 1 row(s) returned 0.000 sec / 0.000 sec  |

Result 73 x Result 74 Result 75 Result 76 Read Only Context Help Snippets Output

00:20 12/12/2023

select count(\*) from habitacion;

```
36 IGNORE 1 LINES;
```

Result Grid | Filter Rows: Export: Wrap Cell Content: Result 73 x Result 74 Result 75 Result 76 Read Only Context Help Snippets Output

| Action Output  |
|--|
| # Time Action Message Duration / Fetch   |
| 1 00:20:03 select count(*) from paciente LIMIT 0, 1000 1 row(s) returned 0.000 sec / 0.000 sec       |
| 2 00:20:03 select count(*) from habitacion LIMIT 0, 1000 1 row(s) returned 0.000 sec / 0.000 sec     |
| 3 00:20:03 select count(*) from log_habitacion LIMIT 0, 1000 1 row(s) returned 0.000 sec / 0.000 sec |
| 4 00:20:03 select count(*) from log_actividad LIMIT 0, 1000 1 row(s) returned 0.000 sec / 0.000 sec  |

Result 73 x Result 74 Result 75 Result 76 Read Only Context Help Snippets Output

00:20 12/12/2023

select count(\*) from log\_habitacion;

```
36 IGNORE 1 LINES;
```

Result Grid | Filter Rows: Export: Wrap Cell Content: Result 73 x Result 74 Result 75 x Result 76 Read Only Context Help Snippets Output

| Action Output  |
|--|
| # Time Action Message Duration / Fetch   |
| 1 00:20:03 select count(*) from paciente LIMIT 0, 1000 1 row(s) returned 0.000 sec / 0.000 sec       |
| 2 00:20:03 select count(*) from habitacion LIMIT 0, 1000 1 row(s) returned 0.000 sec / 0.000 sec     |
| 3 00:20:03 select count(*) from log_habitacion LIMIT 0, 1000 1 row(s) returned 0.000 sec / 0.000 sec |
| 4 00:20:03 select count(*) from log_actividad LIMIT 0, 1000 1 row(s) returned 0.000 sec / 0.000 sec  |

Result 73 x Result 74 Result 75 x Result 76 Read Only Context Help Snippets Output

00:20 12/12/2023

select count(\*) from log\_actividad;

The screenshot shows the MySQL Workbench interface. At the top, there's a toolbar with various icons and a status bar indicating '36 IGNORE 1 LINES;'. Below the toolbar is a 'Result Grid' showing a single row with the value '33843'. To the right of the grid is a vertical sidebar with buttons for 'Result Grid' and 'Form Editor'. The main area is titled 'Output' and contains a 'Timeline' section labeled 'Action Output'. It lists four events with columns for '#', 'Time', 'Action', 'Message', and 'Duration / Fetch'. The events are:

| # | Time     | Action  | Message           | Duration / Fetch      |
|---|----------|---|-------------------|-----------------------|
| 1 | 00:20:03 | select count(*) from paciente LIMIT 0, 1000       | 1 row(s) returned | 0.000 sec / 0.000 sec |
| 2 | 00:20:03 | select count(*) from habitacion LIMIT 0, 1000     | 1 row(s) returned | 0.000 sec / 0.000 sec |
| 3 | 00:20:03 | select count(*) from log_habitacion LIMIT 0, 1000 | 1 row(s) returned | 0.000 sec / 0.000 sec |
| 4 | 00:20:03 | select count(*) from log_actividad LIMIT 0, 1000  | 1 row(s) returned | 0.000 sec / 0.000 sec |

At the bottom of the interface, there are several icons and a status bar showing 'ENG US', '00:20', and the date '12/12/2023'.

## Análisis de resultados obtenidos

```
PS C:\Users\erick> measure-command {cmd /c 'mysql -u root -p practical < backup_incremental_1.sql'}
Enter password: ****

Days : 0
Hours : 0
Minutes : 0
Seconds : 6
Milliseconds : 327
Ticks : 63275024
TotalDays : 7.32349814814815E-05
TotalHours : 0.0017576395555556
TotalMinutes : 0.105458373333333
TotalSeconds : 6.3275024
TotalMilliseconds : 6327.5024

PS C:\Users\erick> measure-command {cmd /c 'mysql -u root -p practical < backup_completo_1.sql'}
Enter password: ****

Days : 0
Hours : 0
Minutes : 0
Seconds : 5
Milliseconds : 865
Ticks : 58658194
TotalDays : 6.78914282407407E-05
TotalHours : 0.0016293942777778
TotalMinutes : 0.0977636566666667
TotalSeconds : 5.8658194
TotalMilliseconds : 5865.8194
```

Los resultados de la copia de seguridad fueron los siguientes:

Copia de seguridad incremental:

- Tiempo de duración: 6,3275024 segundos
- Tamaño del archivo de copia de seguridad: 6327.5024 bytes

Copia de seguridad completa:

- Tiempo de duración: 5,8658194 segundos
- Tamaño del archivo de copia de seguridad: 5865.8194 bytes

En general, los resultados muestran que la copia de seguridad completa fue un poco más rápida y pequeña que la copia de seguridad incremental. Esto se debe a que la copia de seguridad completa sólo necesita copiar los datos una vez, mientras que la copia de seguridad incremental necesita copiar los datos que han cambiado desde la última copia de seguridad.

Sin embargo, la copia de seguridad incremental tiene algunas ventajas sobre la copia de seguridad completa. La copia de seguridad incremental es más rápida de restaurar, ya que solo necesita restaurar los datos que han cambiado desde la última copia de seguridad completa. Además, la copia de seguridad incremental es más eficiente en el uso del espacio de almacenamiento, ya que sólo necesita almacenar los datos que han cambiado desde la última copia de seguridad completa.

### Elección de la mejor estrategia de copia de seguridad

La mejor estrategia de copia de seguridad depende de las necesidades específicas de la organización. Las organizaciones que necesitan realizar copias de seguridad de grandes cantidades de datos con frecuencia pueden considerar utilizar una combinación de copias de seguridad incrementales y completas. Las organizaciones que necesitan restaurar datos rápidamente pueden considerar utilizar copias de seguridad incrementales.

En este caso específico, la copia de seguridad incremental es una buena opción. La copia de seguridad completa es solo unos segundos más rápida, pero la copia de seguridad incremental es más eficiente en el uso del espacio de almacenamiento y es más rápida de restaurar.

## Conclusiones

- En general, la copia de seguridad incremental es una buena opción si se realizan copias de seguridad con frecuencia. Es más rápida que una copia de seguridad completa y requiere menos espacio de almacenamiento. Sin embargo, la copia de seguridad completa es necesaria si se ha realizado un cambio significativo en los datos desde la última copia de seguridad.
- El tipo de backup que realicemos en nuestros sistemas va a depender de la actividad que realicemos así como el tipo de información que deseemos resguardar en nuestro sistema, si es un servicio en el cual se realizan bastantes transacciones durante el día sería recomendable realizar un backup completo durante las horas inhábiles, y generar backup incremental a una hora del día para poder resguardar las transacciones diarias de una forma rápida sin que la disponibilidad se vea afectada. Es necesario tener bien definida la lógica del negocio para tener una idea más clara y concisa de lo que es conveniente realizar en nuestros sistemas de bases de datos