

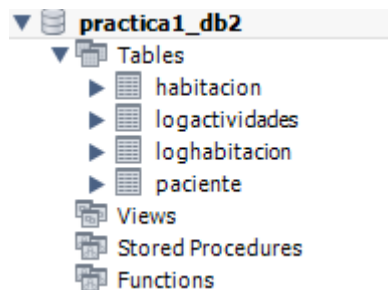
Universidad de San Carlos De Guatemala
Facultad de Ingeniería
Escuela de Ciencias y Sistemas
Base de Datos 2
Ing. Marlon Francisco Orellana
Aux. Edin Emanuel Montenegro Vásquez



Integrantes Pareja 15

| Nombre | Carnet |
|---------------------------------|-----------|
| Wilson Eduardo Perez Echeverria | 201709110 |
| Sergio Rivelino Pérez Rivera | 201603156 |

BASE DE DATOS CREADA



Tablas iniciales vacias

```
39 • SELECT * FROM Habitacion;  
40 • SELECT * FROM Paciente;  
41 • SELECT * FROM LogHabitacion;
```

Result Grid | Filter Rows:

| | idHabitacion | habitacion |
|---|--------------|------------|
| * | NULL | NULL |

```
40 • SELECT * FROM Paciente;  
41 • SELECT * FROM LogHabitacion
```

Result Grid | Filter Rows:

| | idPaciente | edad | genero |
|---|------------|------|--------|
| * | NULL | NULL | NULL |

```
41 • SELECT * FROM LogHabitacion;
```

Result Grid | Filter Rows:

| | idHabitacion | timestampx | statusx |
|--|--------------|------------|---------|
|--|--------------|------------|---------|

```
42 • SELECT * FROM LogActividades;  
43  
44 • SELECT COUNT(*) FROM Habitacion;
```

Result Grid | Filter Rows: | Edit: | Exp

| | idLogActividades | timestampx | actividad | idHabitacion | idPaciente |
|---|------------------|------------|-----------|--------------|------------|
| * | NULL | NULL | NULL | NULL | NULL |

DIA 1 - CARGAR DATOS DE PACIENTE

Carga de datos

```
40 • SELECT * FROM Paciente;  
41 • SELECT * FROM LogHabitacion;
```

| Result Grid | | | |
|--------------|------|-----------|--|
| Filter Rows: | | | |
| idPaciente | edad | genero | |
| 100000 | 95 | Otro | |
| 100001 | 40 | Femenino | |
| 100002 | 42 | Masculino | |
| 100003 | 8 | Femenino | |

SELECT * FROM cada tabla

```
39 • SELECT * FROM Habitacion;  
40 • SELECT * FROM Paciente;  
41 • SELECT * FROM LogHabitacion;
```

| Result Grid | |
|--------------|------------|
| Filter Rows: | |
| idHabitacion | habitacion |
| NULL | NULL |

```
41 • SELECT * FROM LogHabitacion;
```

| Result Grid | | |
|--------------|------------|---------|
| Filter Rows: | | |
| Export | | |
| idHabitacion | timestampx | statusx |

```
42 • SELECT * FROM LogActividades;  
43  
44 • SELECT COUNT(*) FROM Habitacion;
```

| Result Grid | | | | |
|------------------|------------|-----------|--------------|------------|
| Filter Rows: | | | | |
| Edit: | | | | |
| idLogActividades | timestampx | actividad | idHabitacion | idPaciente |
| NULL | NULL | NULL | NULL | NULL |

SELECT COUNT(*) FROM cada tabla

```

44 • SELECT (SELECT COUNT(*) FROM Habitacion) as Habitacion,
45 (SELECT COUNT(*) FROM Paciente) as Paciente,
46 (SELECT COUNT(*) FROM LogHabitacion) as LogHabitacion,
47 (SELECT COUNT(*) FROM LogActividades) as LogActividades
48

```

| | Habitacion | Paciente | LogHabitacion | LogActividades |
|---|------------|----------|---------------|----------------|
| ▶ | 0 | 154184 | 0 | 0 |

Creación de backup completo

```

PS C:\Windows\system32> measure-command <mysqldump -u root -p practical_db2 ! Out-File -FilePath "backupfull_1.sql" -Encoding UTF8>
Enter password: *****

```

```

Days           : 0
Hours          : 0
Minutes       : 0
Seconds       : 3
Milliseconds  : 484
Ticks         : 34844633
TotalDays     : 4.03294363425926E-05
TotalHours    : 0.000957996472222222
TotalMinutes  : 0.0580743883333333
TotalSeconds  : 3.4844633
TotalMilliseconds : 3484.4633

```

| | | | |
|--------------|------------------|---------------|----------|
| backupfull_1 | 11/12/2023 23:25 | SQL Text File | 3,801 KB |
|--------------|------------------|---------------|----------|

Creación de backup incremental

```

PS C:\Windows\system32> measure-command <mysqlbinlog "C:\ProgramData\MySQL\MySQL Server 8.0\Data\A_TAPTAP_L02-bin.000059" > "backupIncremental_1.sql">

```

```

Days           : 0
Hours          : 0
Minutes       : 0
Seconds       : 0
Milliseconds  : 60
Ticks         : 601163
TotalDays     : 6.95790509259259E-07
TotalHours    : 1.66789722222222E-05
TotalMinutes  : 0.00100193833333333
TotalSeconds  : 0.0601163
TotalMilliseconds : 60.1163

```

```

PS C:\Windows\system32>

```

| | | | |
|---------------------|------------------|---------------|----------|
| backupfull_1 | 11/12/2023 23:25 | SQL Text File | 3,801 KB |
| backupIncremental_1 | 11/12/2023 23:40 | SQL Text File | 2 KB |

```

mysql> show binary logs;

```

| Log_name | File_size | Encrypted |
|-------------------------|-----------|-----------|
| A_TAPTAP_L02-bin.000059 | 876 | No |

DIA 2

Carga de datos

39 • `SELECT * FROM Habitacion;`

| idHabitacion | habitacion |
|--------------|--------------------|
| 1 | Sala de examenes 1 |
| 2 | Sala de examenes 2 |
| 3 | Sala de examenes 3 |
| 4 | Sala de examenes 4 |
| 5 | Sala de imaoenes 1 |

SELECT * FROM cada tabla

40 • `SELECT * FROM Paciente;`

41 • `SELECT * FROM LogHabitacion;`

42 • `SELECT * FROM LogActividades;`

| idPaciente | edad | genero |
|------------|------|-----------|
| 100000 | 95 | Otro |
| 100001 | 40 | Femenino |
| 100002 | 42 | Masculino |
| 100003 | 8 | Femenino |
| 100004 | 88 | Masculino |

41 • `SELECT * FROM LogHabitacion;`

42 • `SELECT * FROM LogActividades;`

| idHabitacion | timestampx | statusx |
|--------------|------------|---------|
|--------------|------------|---------|

42 • `SELECT * FROM LogActividades;`

| idLogActividades | timestampx | actividad | idHabitacion | idPaciente |
|------------------|------------|-----------|--------------|------------|
| NULL | NULL | NULL | NULL | NULL |

SELECT COUNT(*) FROM cada tabla

```

44 • SELECT (SELECT COUNT(*) FROM Habitacion) as Habitacion,
45      (SELECT COUNT(*) FROM Paciente) as Paciente,
46      (SELECT COUNT(*) FROM LogHabitacion) as LogHabitacion,
47      (SELECT COUNT(*) FROM LogActividades) as LogActividades
48
49 ✖ LOAD DATA INFILE "C:\\ProgramData\\MySQL\\MySQL Server 8.0\\Up
50 INTO TABLE Paciente

```

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

| | Habitacion | Paciente | LogHabitacion | LogActividades |
|---|------------|----------|---------------|----------------|
| ▶ | 15 | 154184 | 0 | 0 |

Creación de backup completo

```

PS C:\Windows\system32> measure-command {mysql> dump -u root -p practica1_db2 ! Out-File -FilePath "backupfull_2.sql" -Encoding UTF8}
Enter password: *****
Days           : 0
Hours          : 0
Minutes       : 0
Seconds       : 3
Milliseconds  : 208
Ticks         : 32084144
TotalDays     : 3.71344259259259E-05
TotalHours    : 0.000891226222222222
TotalMinutes  : 0.0534735733333333
TotalSeconds  : 3.2084144
TotalMilliseconds : 3208.4144
PS C:\Windows\system32>

```

| File Name | Date/Time | Type | Size |
|---------------------|------------------|---------------|----------|
| backupfull_1 | 11/12/2023 23:25 | SQL Text File | 3,801 KB |
| backupfull_2 | 11/12/2023 23:46 | SQL Text File | 3,802 KB |
| backupIncremental_1 | 11/12/2023 23:40 | SQL Text File | 2 KB |

Creación de backup incremental

```

PS C:\Windows\system32> measure-command {mysql> binlog "C:\\ProgramData\\MySQL\\MySQL Server 8.0\\Data\\A_TAPTAP_L02-bin.000060" > "backupIncremental_2.sql"}
Days           : 0
Hours          : 0
Minutes       : 0
Seconds       : 0
Milliseconds  : 32
Ticks         : 324897
TotalDays     : 3.76930194444444E-07
TotalHours    : 9.02491666666667E-06
TotalMinutes  : 0.000541495
TotalSeconds  : 0.0324897
TotalMilliseconds : 32.4897

```

| File Name | Date/Time | Type | Size |
|---------------------|------------------|---------------|----------|
| backupfull_1 | 11/12/2023 23:25 | SQL Text File | 3,801 KB |
| backupfull_2 | 11/12/2023 23:46 | SQL Text File | 3,802 KB |
| backupIncremental_1 | 11/12/2023 23:40 | SQL Text File | 2 KB |
| backupIncremental_2 | 11/12/2023 23:48 | SQL Text File | 2 KB |

```

mysql> show binary logs;
+-----+-----+-----+
| Log_name | File_size | Encrypted |
+-----+-----+-----+
| A_TAPTAP_L02-bin.000059 | 930 | No |
| A_TAPTAP_L02-bin.000060 | 157 | No |
+-----+-----+-----+

```

DIA 3 - LogHabitaciones

Carga de datos

```
#LOG HABITACIONES =====
LOAD DATA INFILE "C:\\ProgramData\\MySQL\\MySQL Server 8.0\\Uploads\\LogHabitacion.csv"
INTO TABLE LogHabitacion
CHARACTER SET 'latin1'
FIELDS TERMINATED BY ';'
LINES TERMINATED BY '\\n'
IGNORE 1 ROWS
(idHabitacion,timestampx,statusx);
```

```
41 • SELECT * FROM LogHabitacion;
```

```
42 • SELECT * FROM LogActividades;
```

Result Grid |  Filter Rows: | Export:  | Wrap C

| idHabitacion | timestampx | statusx |
|--------------|----------------------|---------------------|
| 12 | 5/31/2021 7:19:33 AM | Sala no disponible. |
| 12 | 5/31/2021 7:20:00 AM | Inicia limpieza. |
| 12 | 5/31/2021 7:20:35 AM | Sala disponible. |
| 12 | 5/31/2021 7:29:15 AM | Sala no disponible. |
| 12 | 5/31/2021 7:29:42 AM | Inicia limpieza. |
| 12 | 5/31/2021 7:30:31 AM | Sala disponible. |
| 13 | 5/31/2021 7:36:38 AM | Sala no disponible. |


SELECT * FROM cada tabla

```
39 • SELECT * FROM Habitacion;
```

```
40 • SELECT * FROM Paciente;
```

```
41 • SELECT * FROM LogHabitacion;
```

```
42 • SELECT * FROM LogActividades;
```

Result Grid |  Filter 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 |

```

39 • SELECT * FROM Habitación;
40 • SELECT * FROM Paciente;
41 • SELECT * FROM LogHabitacion;
42 • SELECT * FROM LogActividades;

```

Result Grid | Filter Rows:

| | idPaciente | edad | genero |
|---|------------|------|-----------|
| ▶ | 100000 | 95 | Otro |
| | 100001 | 40 | Femenino |
| | 100002 | 42 | Masculino |
| | 100003 | 8 | Femenino |
| | 100004 | 88 | Masculino |
| | 100005 | 23 | Masculino |

```

42 • SELECT * FROM LogActividades;
43
44 • SELECT (SELECT COUNT(*) FROM Habitación) as Habitación,
45 (SELECT COUNT(*) FROM Paciente) as Paciente.

```

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

| | idLogActividades | timestampx | actividad | idHabitacion | idPaciente |
|---|------------------|------------|-----------|--------------|------------|
| * | NULL | NULL | NULL | NULL | NULL |

SELECT COUNT(*) FROM cada tabla

```

44 • SELECT (SELECT COUNT(*) FROM Habitación) as Habitación,
45 (SELECT COUNT(*) FROM Paciente) as Paciente,
46 (SELECT COUNT(*) FROM LogHabitacion) as LogHabitacion,
47 (SELECT COUNT(*) FROM LogActividades) as LogActividades
48

```

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

| | Habitacion | Paciente | LogHabitacion | LogActividades |
|---|------------|----------|---------------|----------------|
| ▶ | 15 | 154184 | 34617 | 0 |

Creación de backup completo

```

PS C:\Windows\system32> measure-command <mysqldump -u root -p practica1_db2 ! Out-File -FilePath "backupfull_3.sql" -Encoding UTF8>
Enter password: *****

Days           : 0
Hours          : 0
Minutes       : 0
Seconds       : 2
Milliseconds   : 971
Ticks         : 29714161
TotalDays     : 3.43913900462963E-05
TotalHours    : 0.000825393361111111
TotalMinutes  : 0.0495236016666667
TotalSeconds  : 2.9714161
TotalMilliseconds : 2971.4161

PS C:\Windows\system32> _

```


| | | | |
|---------------------|------------------|---------------|----------|
| backupfull_1 | 11/12/2023 23:25 | SQL Text File | 3,801 KB |
| backupfull_2 | 11/12/2023 23:46 | SQL Text File | 3,802 KB |
| backupfull_3 | 11/12/2023 23:51 | SQL Text File | 5,469 KB |
| backupIncremental_1 | 11/12/2023 23:40 | SQL Text File | 2 KB |
| backupIncremental_2 | 11/12/2023 23:48 | SQL Text File | 2 KB |

Creación de backup incremental

```
PS C:\Windows\system32> measure-command <mysqlbinlog "C:\ProgramData\MySQL\MySQL Server 8.0\Data\A_TAPTAP_L02-bin.000061" > "backupIncremental_3.sql">
Days           : 0
Hours          : 0
Minutes       : 0
Seconds       : 0
Milliseconds   : 33
Ticks         : 335811
TotalDays     : 3.88670138888889E-07
TotalHours    : 9.32808333333333E-06
TotalMinutes  : 0.000559685
TotalSeconds  : 0.0335811
TotalMilliseconds : 33.5811
```

| | | | |
|-------------------------|------------------|---------------|----------|
| backgroundIncremental_3 | 11/12/2023 23:54 | SQL Text File | 2 KB |
| backupfull_1 | 11/12/2023 23:25 | SQL Text File | 3,801 KB |
| backupfull_2 | 11/12/2023 23:46 | SQL Text File | 3,802 KB |
| backupfull_3 | 11/12/2023 23:51 | SQL Text File | 5,469 KB |
| backupIncremental_1 | 11/12/2023 23:40 | SQL Text File | 2 KB |
| backupIncremental_2 | 11/12/2023 23:48 | SQL Text File | 2 KB |
| backupIncremental_3 | 11/12/2023 23:54 | SQL Text File | 2 KB |

```
mysql> show binary logs;
+-----+-----+-----+
| Log_name | File_size | Encrypted |
+-----+-----+-----+
| A_TAPTAP_L02-bin.000059 | 930 | No |
| A_TAPTAP_L02-bin.000060 | 1595715 | No |
| A_TAPTAP_L02-bin.000061 | 2858976 | No |
+-----+-----+-----+
```

DIA 4

Carga de datos

```
#LogActividades1 =====
LOAD DATA INFILE "C:\\ProgramData\\MySQL\\MySQL Server 8.0\\Uploads\\LogActividades1.csv"
INTO TABLE LogActividades
CHARACTER SET 'latin1'
FIELDS TERMINATED BY ';'
LINES TERMINATED BY '\n'
IGNORE 1 ROWS
(timestamppx,actividad,idHabitacion,idPaciente);
```

```

41 SELECT * FROM LogHabitacion;
42 SELECT * FROM LogActividades;
43

```

| Result Grid | | | | | |
|--------------|------------------|----------------------|---|----------------|------------|
| Filter Rows: | | Edit: | | Export/Import: | |
| | idLogActividades | timestampx | actividad | idHabitacion | idPaciente |
| ▶ | 1 | 5/31/2021 7:12:14 AM | Paciente inicia el registro. | 10 | 134247 |
| | 2 | 5/31/2021 7:13:16 AM | Paciente recibe papeleria en recepcion. | 10 | 134247 |
| | 3 | 5/31/2021 7:15:54 AM | Paciente entrega papeleria. | 10 | 134247 |
| | 4 | 5/31/2021 7:16:33 AM | Recepcionista establece la condicion del pacient... | 10 | 134247 |
| | 5 | 5/31/2021 7:17:47 AM | Enfermera comienza la revision del paciente. | 10 | 134247 |
| | 6 | 5/31/2021 7:19:33 AM | Revision determino que el paciente es tipo 2 y s... | 10 | 134247 |
| | 7 | 5/31/2021 7:20:34 AM | Medico inicia con el tratamiento del paciente. | 10 | 134247 |

SELECT * FROM cada tabla

```

39 SELECT * FROM Habitacion;
40 SELECT * FROM Paciente;
41 SELECT * FROM LogHabitacion;
42 SELECT * FROM LogActividades;
43

```

| Result Grid | | |
|--------------|--------------|--------------------------|
| Filter Rows: | | Edit: |
| | 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 imagenes 1 |
| | 6 | Sala de procedimientos 1 |
| | 7 | Sala de procedimientos 2 |

habitacion 43 x


```

40 SELECT * FROM Paciente;
41 SELECT * FROM LogHabitacion;
42 SELECT * FROM LogActividades;
43

```

| Result Grid | | | |
|--------------|------------|-------|-----------|
| Filter Rows: | | Edit: | |
| | idPaciente | edad | genero |
| ▶ | 100000 | 95 | Otro |
| | 100001 | 40 | Femenino |
| | 100002 | 42 | Masculino |
| | 100003 | 8 | Femenino |
| | 100004 | 88 | Masculino |
| | 100005 | 23 | Masculino |
| | 100006 | 60 | Femenino |



```
41 • SELECT * FROM LogHabitacion;
42 • SELECT * FROM LogActividades;
43
```

| Result Grid | | | |
|--|--------------|----------------------|---------------------|
| Filter Rows: <input type="text"/> | | | |
| Export:  Wrap | | | |
| | idHabitacion | timestampx | statusx |
| ▶ | 12 | 5/31/2021 7:19:33 AM | Sala no disponible. |
| | 12 | 5/31/2021 7:20:00 AM | Inicia limpieza. |
| | 12 | 5/31/2021 7:20:35 AM | Sala disponible. |
| | 12 | 5/31/2021 7:29:15 AM | Sala no disponible. |
| | 12 | 5/31/2021 7:29:42 AM | Inicia limpieza. |
| | 12 | 5/31/2021 7:30:31 AM | Sala disponible. |
| | 13 | 5/31/2021 7:36:38 AM | Sala no disponible. |

SELECT COUNT(*) FROM cada tabla








```
44 • SELECT (SELECT COUNT(*) FROM Habitacion) as Habitacion,
45 (SELECT COUNT(*) FROM Paciente) as Paciente,
46 (SELECT COUNT(*) FROM LogHabitacion) as LogHabitacion,
47 (SELECT COUNT(*) FROM LogActividades) as LogActividades
48
```

```
49 ✖ LOAD DATA TNETIF "C:\\ProgramData\\MySQL\\MySQL Server 8.0\\Unloads\\U
```

| Result Grid | | | |
|--|------------|----------|---------------|
| Filter Rows: <input type="text"/> | | | |
| Export:  Wrap Cell Content:  | | | |
| | Habitacion | Paciente | LogHabitacion |
| ▶ | 15 | 154184 | 34617 |
| | | | 33841 |

Creación de backup completo

```
PS C:\Windows\system32> measure-command {mysqldump -u root -p practical_db2 ! Out-File -FilePath "backupfull_4.sql" -Encoding UTF8}
Enter password: *****
Days           : 0
Hours          : 0
Minutes       : 0
Seconds       : 5
Milliseconds  : 213
Ticks         : 52135448
TotalDays     : 6.03419537037037E-05
TotalHours    : 0.00144820688888889
TotalMinutes  : 0.00689224133333333
TotalSeconds  : 5.2135448
TotalMilliseconds : 5213.5448
```

| | | | | |
|---|---------------------|------------------|---------------|----------|
|  | backupfull_1 | 11/12/2023 23:25 | SQL Text File | 3,801 KB |
|  | backupfull_2 | 11/12/2023 23:46 | SQL Text File | 3,802 KB |
|  | backupfull_3 | 11/12/2023 23:51 | SQL Text File | 5,469 KB |
|  | backupfull_4 | 11/12/2023 23:58 | SQL Text File | 8,470 KB |
|  | backupIncremental_1 | 11/12/2023 23:40 | SQL Text File | 2 KB |
|  | backupIncremental_2 | 11/12/2023 23:48 | SQL Text File | 2 KB |
|  | backupIncremental_3 | 11/12/2023 23:54 | SQL Text File | 2 KB |

Creación de backup incremental

```
mysql> show binary logs;
+-----+-----+-----+
| Log_name | File_size | Encrypted |
+-----+-----+-----+
| A_TAPTAP_L02-bin.000059 | 930 | No |
| A_TAPTAP_L02-bin.000060 | 1595715 | No |
| A_TAPTAP_L02-bin.000061 | 2859030 | No |
| A_TAPTAP_L02-bin.000062 | 157 | No |
+-----+-----+-----+
4 rows in set (0.00 sec)
```

```
PS C:\Windows\system32> measure-command {mysqlbinlog "C:\ProgramData\MySQL\MySQL Server 8.0\Data\A_TAPTAP_L02-bin.000062" > "backupIncremental_4.sql"}
Days : 0
Hours : 0
Minutes : 0
Seconds : 0
Milliseconds : 32
Ticks : 328656
TotalDays : 3.80388888888889E-07
TotalHours : 9.12933333333333E-06
TotalMinutes : 0.00054776
TotalSeconds : 0.0328656
TotalMilliseconds : 32.8656
```

| File Name | File Size | File Type | File Date |
|---------------------|-----------|---------------|------------------|
| backupfull_1 | 3,801 KB | SQL Text File | 11/12/2023 23:25 |
| backupfull_2 | 3,802 KB | SQL Text File | 11/12/2023 23:46 |
| backupfull_3 | 5,469 KB | SQL Text File | 11/12/2023 23:51 |
| backupfull_4 | 8,470 KB | SQL Text File | 11/12/2023 23:58 |
| backupIncremental_1 | 2 KB | SQL Text File | 11/12/2023 23:40 |
| backupIncremental_2 | 2 KB | SQL Text File | 11/12/2023 23:48 |
| backupIncremental_3 | 2 KB | SQL Text File | 11/12/2023 23:54 |
| backupIncremental_4 | 2 KB | SQL Text File | 12/12/2023 00:01 |

DIA 5:

Carga de datos

```
#LogActividades2 =====
LOAD DATA INFILE "C:\\ProgramData\\MySQL\\MySQL Server 8.0\\Uploads\\LogActividades2.csv"
INTO TABLE LogActividades
CHARACTER SET 'latin1'
FIELDS TERMINATED BY ';'
LINES TERMINATED BY '\\n'
IGNORE 1 ROWS
(timestampx,actividad,idHabitacion,idPaciente)
```

```
42 • SELECT * FROM LogActividades;
```





```
43
```

| idLogActividades | timestampx | actividad | idHabitacion | idPaciente |
|------------------|----------------------|---|--------------|------------|
| 1 | 5/31/2021 7:12:14 AM | Paciente inicia el registro. | 10 | 134247 |
| 2 | 5/31/2021 7:13:16 AM | Paciente recibe papeleria en recepcion. | 10 | 134247 |
| 3 | 5/31/2021 7:15:54 AM | Paciente entrega papeleria. | 10 | 134247 |
| 4 | 5/31/2021 7:16:33 AM | Recepcionista establece la condicion del pacient... | 10 | 134247 |
| 5 | 5/31/2021 7:17:47 AM | Enfermera comienza la revision del paciente. | 10 | 134247 |
| 6 | 5/31/2021 7:19:33 AM | Revision determino que el paciente es tipo 2 y s... | 10 | 134247 |

SELECT * FROM cada tabla

```
39 • SELECT * FROM Habitacion;
40 • SELECT * FROM Paciente;
41 • SELECT * FROM LogHabitacion;
42 • SELECT * FROM LogActividades;
43
```

<



Result Grid  Filter Rows: Edit:    Export

| | 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 |

Habitacion 50 x

```
39 • SELECT * FROM Habitacion;
40 • SELECT * FROM Paciente;
41 • SELECT * FROM LogHabitacion;
42 • SELECT * FROM LogActividades;
43
```

<

Result Grid  Filter Rows: Edit: 

| | idPaciente | edad | genero |
|---|------------|------|-----------|
| ▶ | 100000 | 95 | Otro |
| | 100001 | 40 | Femenino |
| | 100002 | 42 | Masculino |
| | 100003 | 8 | Femenino |
| | 100004 | 88 | Masculino |
| | 100005 | 23 | Masculino |
| | 100006 | 60 | Femenino |

Paciente 40 v

```

41 • SELECT * FROM LogHabitacion;
42 • SELECT * FROM LogActividades;
43

```

Result Grid | Filter Rows: | Export: | Wrap

| | idHabitacion | timestampx | statusx |
|--|--------------|----------------------|---------------------|
| | 12 | 5/31/2021 7:19:33 AM | Sala no disponible. |
| | 12 | 5/31/2021 7:20:00 AM | Inicia limpieza. |
| | 12 | 5/31/2021 7:20:35 AM | Sala disponible. |
| | 12 | 5/31/2021 7:29:15 AM | Sala no disponible. |
| | 12 | 5/31/2021 7:29:42 AM | Inicia limpieza. |
| | 12 | 5/31/2021 7:30:31 AM | Sala disponible. |
| | 12 | 5/31/2021 7:36:38 AM | Sala no disponible. |

SELECT COUNT(*) FROM cada tabla

```

44 • SELECT (SELECT COUNT(*) FROM Habitacion) as Habitacion,
45 (SELECT COUNT(*) FROM Paciente) as Paciente,
46 (SELECT COUNT(*) FROM LogHabitacion) as LogHabitacion,
47 (SELECT COUNT(*) FROM LogActividades) as LogActividades
48
49 LOAD DATA INFILE "C:\\ProgramData\\MySQL\\MySQL Server 8.0\\Uploads\\F

```

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

| | Habitacion | Paciente | LogHabitacion | LogActividades |
|---|------------|----------|---------------|----------------|
| ▶ | 15 | 154184 | 34617 | 67684 |

Creación de backup completo

```

PS C:\Windows\system32> measure-command {mysql_dump -u root -p practica1_db2 ! Out-File -FilePath "backupfull_5.sql" -Encoding UTF8}
Enter password: *****

Days          : 0
Hours         : 0
Minutes      : 0
Seconds      : 5
Milliseconds  : 81
Ticks        : 50814614
TotalDays    : 5.88132106481481E-05
TotalHours   : 0.00141151705555556
TotalMinutes : 0.0846910233333333
TotalSeconds : 5.0814614
TotalMilliseconds : 5081.4614

PS C:\Windows\system32> _

```

| | | | | |
|--|---------------------|------------------|---------------|-----------|
| | backupfull_1 | 11/12/2023 23:25 | SQL Text File | 3,801 KB |
| | backupfull_2 | 11/12/2023 23:46 | SQL Text File | 3,802 KB |
| | backupfull_3 | 11/12/2023 23:51 | SQL Text File | 5,469 KB |
| | backupfull_4 | 11/12/2023 23:58 | SQL Text File | 8,470 KB |
| | backupfull_5 | 12/12/2023 00:04 | SQL Text File | 11,483 KB |
| | backupIncremental_1 | 11/12/2023 23:40 | SQL Text File | 2 KB |
| | backupIncremental_2 | 11/12/2023 23:48 | SQL Text File | 2 KB |
| | backupIncremental_3 | 11/12/2023 23:54 | SQL Text File | 2 KB |
| | backupIncremental_4 | 12/12/2023 00:01 | SQL Text File | 2 KB |

Creación de backup incremental

```
mysql> show binary logs;
```

| Log_name | File_size | Encrypted |
|-------------------------|-----------|-----------|
| A_TAPTAP_L02-bin.000059 | 930 | No |
| A_TAPTAP_L02-bin.000060 | 1595715 | No |
| A_TAPTAP_L02-bin.000061 | 2859030 | No |
| A_TAPTAP_L02-bin.000062 | 2859628 | No |
| A_TAPTAP_L02-bin.000063 | 157 | No |

5 rows in set (0.00 sec)

```
PS C:\Windows\system32> measure-command {mysqlbinlog "C:\ProgramData\MySQL\MySQL Server 8.0\Data\A_TAPTAP_L02-bin.000063" > "backupIncremental_5.sql"}
Days : 0
Hours : 0
Minutes : 0
Seconds : 0
Milliseconds : 30
Ticks : 301036
TotalDays : 3.48421296296296E-07
TotalHours : 8.36211111111111E-06
TotalMinutes : 0.000501726666666667
TotalSeconds : 0.0301036
TotalMilliseconds : 30.1036
```

| Nombre | Fecha y hora | Formato | Tamaño |
|-----------------------|------------------|-----------------------|-----------|
| backupfull_1 | 11/12/2023 23:25 | SQL Text File | 3,801 KB |
| backupfull_2 | 11/12/2023 23:46 | SQL Text File | 3,802 KB |
| backupfull_3 | 11/12/2023 23:51 | SQL Text File | 5,469 KB |
| backupfull_4 | 11/12/2023 23:58 | SQL Text File | 8,470 KB |
| backupfull_5 | 12/12/2023 00:04 | SQL Text File | 11,483 KB |
| backupIncremental_1 | 11/12/2023 23:40 | SQL Text File | 2 KB |
| backupIncremental_2 | 11/12/2023 23:48 | SQL Text File | 2 KB |
| backupIncremental_3 | 11/12/2023 23:54 | SQL Text File | 2 KB |
| backupIncremental_4 | 12/12/2023 00:01 | SQL Text File | 2 KB |
| backupIncremental_5 | 12/12/2023 00:06 | SQL Text File | 2 KB |
| BamSettingsClient.dll | 7/12/2019 03:08 | Extensión de la ap... | 16 KB |

Restauración de Full backup

Día 6:

Eliminación de datos

```
#Eliminacion de datos=====
DELETE FROM LogActividades;
DELETE FROM LogHabitacion;
DELETE FROM Paciente WHERE idPaciente = 1;
DELETE FROM Habitacion where idHabitacion > 1;
```

Restauración de full backup 1

```
PS C:\Windows\system32> measure-command {cmd /c 'mysql -u root -p practical_db2 < backupfull_1.sql'}
Enter passwords: *****
ERROR: ASCII '\0' appeared in the statement, but this is not allowed unless option --binary-mode is enabled and mysql is run in non-interactive mode. Set --binary-mode to 1 if ASCII '\0' is expected. Query: 'I'.
Days : 0
Hours : 0
Minutes : 0
Seconds : 3
Milliseconds : 4
Ticks : 30044378
TotalDays : 3.47735856481481E-06
TotalHours : 0.0000345648148148148
TotalMinutes : 0.0000739633333333
TotalSeconds : 3.0044378
TotalMilliseconds : 3004.4378
```

SELECT * FROM cada tabla

SELECT COUNT(*) FROM cada tabla Día

7:

Eliminación de datos

```
#Eliminacion de datos=====
DELETE FROM LogActividades;
DELETE FROM LogHabitacion;
DELETE FROM Paciente WHERE idPaciente = 1;
DELETE FROM Habitacion where idHabitacion > 1;
```

Restauración de full backup 2

```
PS C:\Windows\system32> measure-command {cmd /c 'mysql -u root -p practical_db2 < backupfull_2.sql'}
Enter password: *****
```

```
Days           : 0
Hours          : 0
Minutes       : 0
Seconds       : 5
Milliseconds  : 671
Ticks         : 56712308
TotalDays     : 6.56392453703704E-05
TotalHours    : 0.00157534188888889
TotalMinutes  : 0.0945205133333333
TotalSeconds  : 5.6712308
TotalMilliseconds : 5671.2308
```

```
39 • SELECT * FROM Habitacion;
40 • SELECT * FROM Paciente;
41 • SELECT * FROM LogHabitacion;
```

< Result Grid Filter Rows: Edit:

| | 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 |

Habitacion 19 x

Output

Action Output

| | # | Time | Action | Message |
|---|----|----------|---------------|--------------------|
| ✓ | 29 | 21:13:01 | SELECT * F... | 0 row(s) returned |
| ✓ | 30 | 21:13:06 | SELECT * F... | 15 row(s) returned |
| ✓ | 31 | 21:13:30 | DELETE F... | 1 row(s) affected |
| ✓ | 32 | 21:13:39 | DELETE F... | 14 row(s) affected |
| ✓ | 33 | 21:13:46 | SELECT * F... | 0 row(s) returned |
| ✓ | 34 | 21:19:00 | SELECT * F... | 0 row(s) returned |
| ✓ | 35 | 21:19:04 | SELECT * F... | 0 row(s) returned |
| ✓ | 36 | 21:19:08 | SELECT * F... | 0 row(s) returned |
| ✓ | 37 | 21:19:11 | SELECT * F... | 0 row(s) returned |
| ✓ | 38 | 21:22:50 | SELECT * F... | 15 row(s) returned |

SELECT * FROM cada tabla


```

41 • SELECT * FROM LogHabitacion;
42 • SELECT * FROM LogActividades;
43
44 • SELECT (SELECT COUNT(*) FROM Habitacion) as Habitacion

```

Result Grid | Filter Rows: Export:

| idHabitacion | timestampx | statusx |
|--------------|------------|---------|
|--------------|------------|---------|

```

42 • SELECT * FROM LogActividades;
43
44 • SELECT (SELECT COUNT(*) FROM Habitacion) as Habitacion

```

Result Grid | Filter Rows: Edit: Export:

| idLogActividades | timestampx | actividad | idHabitacion | idPaciente |
|------------------|------------|-----------|--------------|------------|
| NULL | NULL | NULL | NULL | NULL |

SELECT COUNT(*) FROM cada tabla Día

```

44 • SELECT (SELECT COUNT(*) FROM Habitacion) as Habitacion,
45 (SELECT COUNT(*) FROM Paciente) as Paciente,
46 (SELECT COUNT(*) FROM LogHabitacion) as LogHabitacion,
47 (SELECT COUNT(*) FROM LogActividades) as LogActividades

```

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

| Habitacion | Paciente | LogHabitacion | LogActividades |
|------------|----------|---------------|----------------|
| 15 | 154184 | 0 | 0 |

8:
Eliminación de datos

```

94 #Eliminacion de datos=====
95 • DELETE FROM LogActividades;
96 • DELETE FROM LogHabitacion;
97 • DELETE FROM Paciente WHERE idPaciente > 0;
98 • DELETE FROM Habitacion where idHabitacion > 0;

```

| Output | | | | |
|---------------|----------|---|--|--|
| Action Output | | | | |
| # | Time | Action | Message | |
| ✓ 39 | 21:23:16 | SELECT * FROM LogHabitacion LIMIT 0, 1000 | 0 row(s) returned | |
| ✓ 40 | 21:23:32 | SELECT * FROM LogActividades LIMIT 0, 1000 | 0 row(s) returned | |
| ✓ 41 | 21:24:04 | SELECT (SELECT COUNT(*) FROM Habitacion) as Ha... | 1 row(s) returned | |
| ✗ 42 | 21:24:57 | DELETE FROM LogActividades | Error Code: 1175. You are using safe update mode and you tri | |
| ✓ 43 | 21:25:10 | DELETE FROM Paciente WHERE idPaciente > 0 | 154184 row(s) affected | |
| ✓ 44 | 21:25:15 | DELETE FROM Habitacion where idHabitacion > 0 | 15 row(s) affected | |

Restauración de full backup 3

```

PS C:\Windows\system32> measure-command {cmd /c 'mysql -u root -p practica1_db2 < backupfull_3.sql'}
Enter password: *****

Days           : 0
Hours          : 0
Minutes        : 0
Seconds        : 4
Milliseconds   : 656
Ticks          : 46564558
TotalDays      : 5.38941643518518E-05
TotalHours     : 0.00129345994444444
TotalMinutes   : 0.0276075966666667
TotalSeconds   : 4.6564558
TotalMilliseconds : 4656.4558

PS C:\Windows\system32> _

```

SELECT * FROM cada tabla

```

39 • SELECT * FROM Habitacion;
40 • SELECT * FROM Paciente;
41 • SELECT * FROM LogHabitacion;
42 • SELECT * FROM LogActividades;

```

| result Grid | | Filter Rows: | Edit |
|-------------|--------------|--------------------------|------|
| | 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 | Recepcion | |

abitacion 27 x

40 • `SELECT * FROM Paciente;`
41 • `SELECT * FROM LogHabitacion;`
42 • `SELECT * FROM LogActividades;`


Result Grid |   Filter 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 | 49 | Femenino |
| 100008 | 44 | Femenino |
| 100009 | 55 | Femenino |

aciente 28 x

41 • `SELECT * FROM LogHabitacion;`
42 • `SELECT * FROM LogActividades;`

<

Result Grid |   Filter Rows: Export:  Wrap Cell C

| | idHabitacion | timestampx | statusx |
|---|--------------|----------------------|---------------------|
| ▶ | 12 | 5/31/2021 7:19:33 AM | Sala no disponible. |
| | 12 | 5/31/2021 7:20:00 AM | Inicia limpieza. |
| | 12 | 5/31/2021 7:20:35 AM | Sala disponible. |
| | 12 | 5/31/2021 7:29:15 AM | Sala no disponible. |
| | 12 | 5/31/2021 7:29:42 AM | Inicia limpieza. |
| | 12 | 5/31/2021 7:30:31 AM | Sala disponible. |
| | 13 | 5/31/2021 7:36:38 AM | Sala no disponible. |
| | 13 | 5/31/2021 7:37:05 AM | Inicia limpieza. |
| | 13 | 5/31/2021 7:38:53 AM | Sala disponible. |
| | 1 | 5/31/2021 7:42:34 AM | Sala no disponible. |

LogHabitacion29 x

```

39 • SELECT * FROM Habitacion;
40 • SELECT * FROM Paciente;
41 • SELECT * FROM LogHabitacion;
42 • SELECT * FROM LogActividades;

```

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

| | idLogActividades | timestampx | actividad | idHabitacion | idPaciente |
|---|------------------|------------|-----------|--------------|------------|
| * | NULL | NULL | NULL | NULL | NULL |

SELECT COUNT(*) FROM cada tabla Día

```

44 • SELECT (SELECT COUNT(*) FROM Habitacion) as Habitacion,
45 (SELECT COUNT(*) FROM Paciente) as Paciente,

```

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

| | Habitacion | Paciente | LogHabitacion | LogActividades |
|---|------------|----------|---------------|----------------|
| ▶ | 15 | 154184 | 34617 | 0 |

9:
Eliminación de datos

```

94      #Eliminacion de datos=====
95 •    DELETE FROM LogActividades;
96 •    TRUNCATE TABLE LogHabitacion;
97 •    DELETE FROM Paciente WHERE idPaciente > 0;
98 •    DELETE FROM Habitacion where idHabitacion > 0;
99
100
101
102

```

Output

Action Output

| # | Time | Action | Message |
|----|----------|---|---------------------------------|
| 53 | 21:28:09 | SELECT (SELECT COUNT(*) FROM Habitacion) as Ha... | 1 row(s) returned |
| 54 | 21:28:44 | DELETE FROM LogActividades | Error Code: 1175. You are using |
| 55 | 21:28:50 | DELETE FROM LogHabitacion | Error Code: 1175. You are using |
| 56 | 21:29:10 | TRUNCATE TABLE LogHabitacion | 0 row(s) affected |
| 57 | 21:29:14 | DELETE FROM Paciente WHERE idPaciente > 0 | 154184 row(s) affected |
| 58 | 21:29:17 | DELETE FROM Habitacion where idHabitacion > 0 | 15 row(s) affected |

Restauración de full backup 4

```

PS C:\Windows\system32> measure-command {cmd /c 'mysql -u root -p practica1_db2 < backupfull_4.sql'}
Enter password: *****

Days           : 0
Hours          : 0
Minutes       : 0
Seconds       : 5
Milliseconds  : 57
Ticks         : 50579864
TotalDays     : 5.85415092592593E-05
TotalHours    : 0.00140499622222222
TotalMinutes  : 0.0842997733333333
TotalSeconds  : 5.0579864
TotalMilliseconds : 5057.9864



PS C:\Windows\system32>

```

SELECT * FROM cada tabla

```
39 • SELECT * FROM Habitacion;
40 • SELECT * FROM Paciente;
41 • SELECT * FROM LogHabitacion;
42 • SELECT * FROM LogActividades;
```

<



Result Grid   Filter Rows: Edit:

| | 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 | Recepcion |

Habitacion 36 ×

```
40 • SELECT * FROM Paciente;
41 • SELECT * FROM LogHabitacion;
42 • SELECT * FROM LogActividades;
```

<

Result Grid   Filter 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 | 49 | Femenino |
| | 100008 | 44 | Femenino |
| | 100009 | 55 | Femenino |

Paciente 37 ×

- 41 • `SELECT * FROM LogHabitacion;`
- 42 • `SELECT * FROM LogActividades;`

Result Grid | Filter Rows: | Export: | Wrap

| | idHabitacion | timestampx | statusx |
|--|--------------|----------------------|---------------------|
| | 12 | 5/31/2021 7:19:33 AM | Sala no disponible. |
| | 12 | 5/31/2021 7:20:00 AM | Inicia limpieza. |
| | 12 | 5/31/2021 7:20:35 AM | Sala disponible. |
| | 12 | 5/31/2021 7:29:15 AM | Sala no disponible. |
| | 12 | 5/31/2021 7:29:42 AM | Inicia limpieza. |
| | 12 | 5/31/2021 7:30:31 AM | Sala disponible. |
| | 13 | 5/31/2021 7:36:38 AM | Sala no disponible. |
| | 13 | 5/31/2021 7:37:05 AM | Inicia limpieza. |
| | 13 | 5/31/2021 7:38:53 AM | Sala disponible. |
| | 1 | 5/31/2021 7:42:34 AM | Sala no disponible. |

LogHabitacion38 x

Output

- 42 • `SELECT * FROM LogActividades;`

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

| | idLogActividades | timestampx | actividad | idHabitacion | idPaciente |
|----|------------------|----------------------|---|--------------|------------|
| 1 | 1 | 5/31/2021 7:12:14 AM | Paciente inicia el registro. | 10 | 134247 |
| 2 | 2 | 5/31/2021 7:13:16 AM | Paciente recibe papeleria en recepcion. | 10 | 134247 |
| 3 | 3 | 5/31/2021 7:15:54 AM | Paciente entrega papeleria. | 10 | 134247 |
| 4 | 4 | 5/31/2021 7:16:33 AM | Recepcionista establece la condicion del pacient... | 10 | 134247 |
| 5 | 5 | 5/31/2021 7:17:47 AM | Enfermera comienza la revision del paciente. | 10 | 134247 |
| 6 | 6 | 5/31/2021 7:19:33 AM | Revision determino que el paciente es tipo 2 y s... | 10 | 134247 |
| 7 | 7 | 5/31/2021 7:20:34 AM | Medico inicia con el tratamiento del paciente. | 10 | 134247 |
| 8 | 8 | 5/31/2021 7:21:50 AM | Paciente inicia el registro. | 10 | 135641 |
| 9 | 9 | 5/31/2021 7:23:01 AM | Paciente recibe papeleria en recepcion. | 10 | 135641 |
| 10 | 10 | 5/31/2021 7:25:39 AM | Paciente inicia el registro. | 10 | 180487 |

LogActividades 39 x

SELECT COUNT(*) FROM cada tabla Día

- 44 • `SELECT (SELECT COUNT(*) FROM Habitacion) as Habitacion,`

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

| | Habitacion | Paciente | LogHabitacion | LogActividades |
|----|------------|----------|---------------|----------------|
| 15 | 154184 | 34617 | 33841 | |

10:

Eliminación de datos

```

94      #Eliminacion de datos=====
95      • TRUNCATE TABLE LogActividades;
96      • TRUNCATE TABLE LogHabitacion;
97      • DELETE FROM Paciente WHERE idPaciente > 0;
98      • DELETE FROM Habitacion where idHabitacion > 0;
99

```

Output

Action Output

| | # | Time | Action | Message |
|---|----|----------|---|------------------------|
| ✓ | 66 | 21:31:09 | SELECT * FROM LogActividades LIMIT 0, 1000 | 1000 row(s) returned |
| ✓ | 67 | 21:31:29 | SELECT (SELECT COUNT(*) FROM Habitacion) as Ha... | 1 row(s) returned |
| ✓ | 68 | 21:32:41 | TRUNCATE TABLE LogActividades | 0 row(s) affected |
| ✓ | 69 | 21:32:48 | TRUNCATE TABLE LogHabitacion | 0 row(s) affected |
| ✓ | 70 | 21:32:51 | DELETE FROM Paciente WHERE idPaciente > 0 | 154184 row(s) affected |
| ✓ | 71 | 21:32:54 | DELETE FROM Habitacion where idHabitacion > 0 | 15 row(s) affected |

Restauración de full backup 5

```

PS C:\Windows\system32> measure-command {cmd /c 'mysql -u root -p practical_db2 < backupfull_5.sql'}
Enter password: *****

Days           : 0
Hours          : 0
Minutes       : 0
Seconds       : 5
Milliseconds  : 657
Ticks         : 56578814
TotalDays     : 6.54847384259259E-05
TotalHours    : 0.00157163372222222
TotalMinutes  : 0.0942980233333333
TotalSeconds  : 5.6578814
TotalMilliseconds : 5657.8814

PS C:\Windows\system32> _

```

SELECT * FROM cada tabla

39 • `SELECT * FROM Habitacion;`

40 • `SELECT * FROM Paciente;`

| Result Grid | | Filter Rows: | Edit: | Export/Import: |
|--------------|--------------------------|--------------|-------|----------------|
| idHabitacion | habitacion | | | |
| 1 | Sala de examenes 1 | | | |
| 2 | Sala de examenes 2 | | | |
| 3 | Sala de examenes 3 | | | |
| 4 | Sala de examenes 4 | | | |
| 5 | Sala de imagenes 1 | | | |
| 6 | Sala de procedimientos 1 | | | |
| 7 | Sala de procedimientos 2 | | | |
| 8 | Sala de procedimientos 3 | | | |
| 9 | Sala de procedimientos 4 | | | |
| 10 | Recepcion | | | |








Habitacion 41 x

Output

| Action Output | | | |
|---------------|----------|---|----------------------|
| # | Time | Action | Message |
| ✓ 67 | 21:31:29 | SELECT (SELECT COUNT(*) FROM Habitacion) as Ha... | 1 row(s) returned |
| ✓ 68 | 21:32:41 | TRUNCATE TABLE LogActividades | 0 row(s) affected |
| ✓ 69 | 21:32:48 | TRUNCATE TABLE LogHabitacion | 0 row(s) affected |
| ✓ 70 | 21:32:51 | DELETE FROM Paciente WHERE idPaciente > 0 | 154184 row(s) affect |
| ✓ 71 | 21:32:54 | DELETE FROM Habitacion where idHabitacion > 0 | 15 row(s) affected |
| ✓ 72 | 21:34:02 | SELECT * FROM Habitacion LIMIT 0, 1000 | 15 row(s) returned |

39 • `SELECT * FROM Habitacion;`


40 • `SELECT * FROM Paciente;`

< **Result Grid**   Filter Rows: Edit:    Export/Import:   Wr

| | 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 |

Paciente 42 ×

Output

 Action Output ▼

| | # | Time | Action | Message |
|---|----|----------|---|------------------------|
| ✓ | 68 | 21:32:41 | TRUNCATE TABLE LogActividades | 0 row(s) affected |
| ✓ | 69 | 21:32:48 | TRUNCATE TABLE LogHabitacion | 0 row(s) affected |
| ✓ | 70 | 21:32:51 | DELETE FROM Paciente WHERE idPaciente > 0 | 154184 row(s) affected |
| ✓ | 71 | 21:32:54 | DELETE FROM Habitacion where idHabitacion > 0 | 15 row(s) affected |
| ✓ | 72 | 21:34:02 | SELECT * FROM Habitacion LIMIT 0, 1000 | 15 row(s) returned |
| ✓ | 73 | 21:34:17 | SELECT * FROM Paciente LIMIT 0, 1000 | 1000 row(s) returned |

```

40 • SELECT * FROM Paciente;
41 • SELECT * FROM LogHabitacion;
42 • SELECT * FROM LogActividades;
43

```

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

| | idHabitacion | timestampx | statusx |
|---|--------------|----------------------|---------------------|
| ▶ | 12 | 5/31/2021 7:19:33 AM | Sala no disponible. |
| | 12 | 5/31/2021 7:20:00 AM | Inicia limpieza. |
| | 12 | 5/31/2021 7:20:35 AM | Sala disponible. |
| | 12 | 5/31/2021 7:29:15 AM | Sala no disponible. |
| | 12 | 5/31/2021 7:29:42 AM | Inicia limpieza. |
| | 12 | 5/31/2021 7:30:31 AM | Sala disponible. |
| | 13 | 5/31/2021 7:36:38 AM | Sala no disponible. |
| | 13 | 5/31/2021 7:37:05 AM | Inicia limpieza. |
| | 13 | 5/31/2021 7:38:53 AM | Sala disponible. |
| | 1 | 5/31/2021 7:42:34 AM | Sala no disponible. |

LogHabitacion43 x

Output

Action Output ▼

| # | Time | Action | Message |
|----|----------|---|------------------------|
| 69 | 21:32:48 | TRUNCATE TABLE LogHabitacion | 0 row(s) affected |
| 70 | 21:32:51 | DELETE FROM Paciente WHERE idPaciente > 0 | 154184 row(s) affected |
| 71 | 21:32:54 | DELETE FROM Habitacion where idHabitacion > 0 | 15 row(s) affected |
| 72 | 21:34:02 | SELECT * FROM Habitacion LIMIT 0, 1000 | 15 row(s) returned |
| 73 | 21:34:17 | SELECT * FROM Paciente LIMIT 0, 1000 | 1000 row(s) returned |
| 74 | 21:34:43 | SELECT * FROM LogHabitacion LIMIT 0, 1000 | 100 row(s) returned |

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42 • `SELECT * FROM LogActividades;`

43

The screenshot shows a database management interface. At the top, there's a toolbar with 'Result Grid', 'Filter Rows', 'Edit', and 'Export' buttons. Below this is a table with 3 columns: 'idLogActividades', 'timestampx', and 'actividad'. It contains 10 rows of data. Below the table, there's a tab labeled 'LogActividades 44'. Underneath that is an 'Output' section with a dropdown menu set to 'Action Output'. This section contains a log of actions performed, with columns for '#', 'Time', 'Action', and 'Message'. The log shows several successful actions, including DELETE and SELECT statements.

| | idLogActividades | timestampx | actividad |
|---|------------------|----------------------|---|
| ▶ | 1 | 5/31/2021 7:12:14 AM | Paciente inicia el registro. |
| | 2 | 5/31/2021 7:13:16 AM | Paciente recibe papeleria en recepcion. |
| | 3 | 5/31/2021 7:15:54 AM | Paciente entrega papeleria. |
| | 4 | 5/31/2021 7:16:33 AM | Recepcionista establece la condicion del |
| | 5 | 5/31/2021 7:17:47 AM | Enfermera comienza la revision del pacie |
| | 6 | 5/31/2021 7:19:33 AM | Revision determino que el paciente es ti |
| | 7 | 5/31/2021 7:20:34 AM | Medico inicia con el tratamiento del paci |
| | 8 | 5/31/2021 7:21:50 AM | Paciente inicia el registro. |
| | 9 | 5/31/2021 7:23:01 AM | Paciente recibe papeleria en recepcion. |
| | 10 | 5/31/2021 7:25:39 AM | Paciente inicia el registro. |

LogActividades 44 x

Output

Action Output

| # | Time | Action | Message |
|------|----------|---|------------------------|
| ✓ 70 | 21:32:51 | DELETE FROM Paciente WHERE idPaciente > 0 | 154184 row(s) affected |
| ✓ 71 | 21:32:54 | DELETE FROM Habitacion where idHabitacion > 0 | 15 row(s) affected |
| ✓ 72 | 21:34:02 | SELECT * FROM Habitacion LIMIT 0, 1000 | 15 row(s) returned |
| ✓ 73 | 21:34:17 | SELECT * FROM Paciente LIMIT 0, 1000 | 1000 row(s) returned |
| ✓ 74 | 21:34:43 | SELECT * FROM LogHabitacion LIMIT 0, 1000 | 1000 row(s) returned |
| ✓ 75 | 21:34:58 | SELECT * FROM LogActividades LIMIT 0, 1000 | 1000 row(s) returned |

SELECT COUNT(*) FROM cada tabla

44 • `SELECT (SELECT COUNT(*) FROM Habitacion) as Habitacion,`
45 `(SELECT COUNT(*) FROM Paciente) as Paciente,`
46 `(SELECT COUNT(*) FROM LogHabitacion) as LogHabitacion,`
47 `(SELECT COUNT(*) FROM LogActividades) as LogActividades`

The screenshot shows a database management interface. At the top, there's a toolbar with 'Result Grid', 'Filter Rows', 'Export', and 'Wrap Cell Content' buttons. Below this is a table with 4 columns: 'Habitacion', 'Paciente', 'LogHabitacion', and 'LogActividades'. It contains 1 row of data.

| | Habitacion | Paciente | LogHabitacion | LogActividades |
|---|------------|----------|---------------|----------------|
| ▶ | 15 | 154184 | 34617 | 67684 |

Restauración de Backup incremental

Día 11:

Eliminación de datos

```

94 #Eliminacion de datos=====
95 • TRUNCATE TABLE LogActividades;
96 • TRUNCATE TABLE LogHabitacion;
97 • DELETE FROM Paciente WHERE idPaciente > 0;
98 • DELETE FROM Habitacion where idHabitacion > 0;
99

```

Output

Action Output

| # | Time | Action | Message |
|----|----------|---|------------------------|
| 75 | 21:34:58 | SELECT * FROM LogActividades LIMIT 0, 1000 | 1000 row(s) returned |
| 76 | 21:35:21 | SELECT (SELECT COUNT(*) FROM Habitacion) as Ha... | 1 row(s) returned |
| 77 | 21:36:11 | TRUNCATE TABLE LogActividades | 0 row(s) affected |
| 78 | 21:36:15 | TRUNCATE TABLE LogHabitacion | 0 row(s) affected |
| 79 | 21:36:22 | DELETE FROM Paciente WHERE idPaciente > 0 | 154184 row(s) affected |
| 80 | 21:36:26 | DELETE FROM Habitacion where idHabitacion > 0 | 15 row(s) affected |

Restauración de backup incremental 1

```

C:\Users\Wilson.Perez>mysql -u root -p practica1_db2 < backupIncremental_1v.sql
Enter password: *****

```

```

C:\Users\Wilson.Perez>

```

SELECT * FROM cada tabla

```

39 • SELECT * FROM Habitacion;
40 • SELECT * FROM Paciente;
41 • SELECT * FROM LogHabitacion;
42 • SELECT * FROM LogActividades;

```

<

Result Grid

Filter Rows: Edit:

| | idHabitacion | habitacion |
|---|--------------|------------|
| * | NULL | NULL |

```

39 • SELECT * FROM Habitacion;
40 • SELECT * FROM Paciente;
41 • SELECT * FROM LogHabitacion;
42 • SELECT * FROM LogActividades;

```

Result Grid | Filter Rows:

| | idPaciente | edad | genero |
|---|------------|------|-----------|
| ▶ | 100000 | 95 | Otro |
| | 100001 | 40 | Femenino |
| | 100002 | 42 | Masculino |
| | 100003 | 8 | Femenino |
| | 100004 | 88 | Masculino |

Paciente 89 x

Output

Action Output ▼

| # | Time | Action |
|---|------|--------|
|---|------|--------|

```

39 • SELECT * FROM Habitacion;
40 • SELECT * FROM Paciente;
41 • SELECT * FROM LogHabitacion;
42 • SELECT * FROM LogActividades;

```

Result Grid | Filter Rows: | Export:

| | idHabitacion | timestampx | statusx |
|--|--------------|------------|---------|
|--|--------------|------------|---------|

```

41 • SELECT * FROM LogHabitacion;
42 • SELECT * FROM LogActividades;
43

```

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

| | idLogActividades | timestampx | actividad | idHabitacion | idPaciente |
|---|------------------|------------|-----------|--------------|------------|
| * | NULL | NULL | NULL | NULL | NULL |

SELECT COUNT(*) FROM cada tabla Día

```

44 • SELECT (SELECT COUNT(*) FROM Habitacion) as Habitacion,
45       (SELECT COUNT(*) FROM Paciente) as Paciente,
46       (SELECT COUNT(*) FROM LogHabitacion) as LogHabitacion,
47       (SELECT COUNT(*) FROM LogActividades) as LogActividades;
48
49 • LOAD DATA INFILE "C:\\ProgramData\\MySQL\\MySQL Server 8.0\\Uploads

```

Result Grid

| | Habitacion | Paciente | LogHabitacion | LogActividades |
|---|------------|----------|---------------|----------------|
| ▶ | 0 | 154184 | 0 | 0 |

2:

Restauración de backup incremental 2

```

C:\Users\Wilson.Perez>mysql -u root -p practica1_db2 < backupIncremental_2v.sql
Enter password: *****
C:\Users\Wilson.Perez>

```

SELECT * FROM cada tabla

```

39 • SELECT * FROM Habitacion;
40 • SELECT * FROM Paciente;
41 • SELECT * FROM LogHabitacion;
42 • SELECT * FROM LogActividades;

```

Result Grid

| | 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 imagenes 1 |

Habitacion 96 x

Output

Action Output

```

39 • SELECT * FROM Habitacion;
40 • SELECT * FROM Paciente;
41 • SELECT * FROM LogHabitacion;
42 • SELECT * FROM LogActividades;

```

Result Grid | Filter Rows:

| | idPaciente | edad | genero |
|---|------------|------|-----------|
| ▶ | 100000 | 95 | Otro |
| | 100001 | 40 | Femenino |
| | 100002 | 42 | Masculino |
| | 100003 | 8 | Femenino |
| | 100004 | 88 | Masculino |

Paciente 97 x

Output

Action Output

```

39 • SELECT * FROM Habitacion;
40 • SELECT * FROM Paciente;
41 • SELECT * FROM LogHabitacion;
42 • SELECT * FROM LogActividades;

```

Result Grid | Filter Rows: | E

| | idHabitacion | timestampx | statusx |
|--|--------------|------------|---------|
|--|--------------|------------|---------|

30

```

39 • SELECT * FROM Habitacion;
40 • SELECT * FROM Paciente;
41 • SELECT * FROM LogHabitacion;
42 • SELECT * FROM LogActividades;

```

43

Result Grid | Filter Rows: | Edit: | Expo

| | idLogActividades | timestampx | actividad | idHabitacion | idPaciente |
|---|------------------|------------|-----------|--------------|------------|
| ▶ | NULL | NULL | NULL | NULL | NULL |

SELECT COUNT(*) FROM cada tabla Día


```

44 • SELECT (SELECT COUNT(*) FROM Habitación) as Habitación,
45       (SELECT COUNT(*) FROM Paciente) as Paciente,
46       (SELECT COUNT(*) FROM LogHabitacion) as LogHabitacion,
47       (SELECT COUNT(*) FROM LogActividades) as LogActividades;
48
49 • LOAD DATA INFILE "C:\\ProgramData\\MySQL\\MySQL Server 8.0\\Uploa

```

| Result Grid | | | | |
|-------------|------------|----------|---------------|----------------|
| | Habitacion | Paciente | LogHabitacion | LogActividades |
| ▶ | 15 | 154184 | 0 | 0 |

13:

Restauración de backup incremental 3

```

C:\Users\Wilson.Perez>mysql -u root -p practica1_db2 < backupIncremental_3v.sql
Enter password: *****

C:\Users\Wilson.Perez>_

```

SELECT * FROM cada tabla

```

41 • SELECT * FROM LogHabitacion;
42 • SELECT * FROM LogActividades;
43

```

| Result Grid | | | |
|-------------|--------------|----------------------|---------------------|
| | idHabitacion | timestampx | statusx |
| ▶ | 12 | 5/31/2021 7:19:33 AM | Sala no disponible. |
| | 12 | 5/31/2021 7:20:00 AM | Inicia limpieza. |
| | 12 | 5/31/2021 7:20:35 AM | Sala disponible. |
| | 12 | 5/31/2021 7:29:15 AM | Sala no disponible. |
| | 12 | 5/31/2021 7:29:42 AM | Inicia limpieza. |

LogHabitacion 101 x

Output

```

39 • SELECT * FROM Habitacion;
40 • SELECT * FROM Paciente;
41 • SELECT * FROM LogHabitacion;
42 • SELECT * FROM LogActividades;
43

```

Result Grid | Filter Rows:

| | idPaciente | edad | genero |
|---|------------|------|-----------|
| ▶ | 100000 | 95 | Otro |
| | 100001 | 40 | Femenino |
| | 100002 | 42 | Masculino |
| | 100003 | 8 | Femenino |
| | 100004 | 88 | Masculino |

Paciente 102 x

```

39 • SELECT * FROM Habitacion;
40 • SELECT * FROM Paciente;
41 • SELECT * FROM LogHabitacion;
42 • SELECT * FROM LogActividades;
43

```

Result Grid | Filter Rows: Edit:

| | 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 imagenes 1 |

Habitacion 104 x

Output :

```

9 • SELECT * FROM Habitacion;
0 • SELECT * FROM Paciente;
1 • SELECT * FROM LogHabitacion;
2 • SELECT * FROM LogActividades;
3

```

Result Grid | Filter Rows: Edit:

| idLogActividades | timestampx | actividad | idHabitacion | idPaciente |
|------------------|------------|-----------|--------------|------------|
| NULL | NULL | NULL | NULL | NULL |

SELECT COUNT(*) FROM cada tabla Día

```

43
44 • SELECT (SELECT COUNT(*) FROM Habitacion) as Habitacion,
45 (SELECT COUNT(*) FROM Paciente) as Paciente,
46 (SELECT COUNT(*) FROM LogHabitacion) as LogHabitacion,
47 (SELECT COUNT(*) FROM LogActividades) as LogActividades;
48
49 • LOAD DATA INFILE "C:\\ProgramData\\MySQL\\MySQL Server 8.0\\Up

```

| Result Grid | Filter Rows: | Export: | Wrap Cell Content: |
|-------------|--------------|---------------|--------------------|
| Habitacion | Paciente | LogHabitacion | LogActividades |
| 15 | 154184 | 34617 | 0 |

14:

Restauración de backup incremental 4

```

C:\Users\Wilson.Perez>mysql -u root -p practica1_db2 < backupIncremental_4v.sql
Enter password: *****
C:\Users\Wilson.Perez>

```

SELECT * FROM cada tabla

```

42 • SELECT * FROM LogActividades;
43
44 • SELECT (SELECT COUNT(*) FROM Habitacion) as Habitacion,
45 (SELECT COUNT(*) FROM Paciente) as Paciente,
46 (SELECT COUNT(*) FROM LogHabitacion) as LogHabitacion,
47 (SELECT COUNT(*) FROM LogActividades) as LogActividades;
48
49 • LOAD DATA INFILE "C:\\ProgramData\\MySQL\\MySQL Server 8.0\\Uploads\\Pacientes.csv"

```

| Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: |
|------------------|----------------------|---|----------------|--------------------|
| idLogActividades | timestampx | actividad | idHabitacion | idPaciente |
| 1 | 5/31/2021 7:12:14 AM | Paciente inicia el registro. | 10 | 134247 |
| 2 | 5/31/2021 7:13:16 AM | Paciente recibe papeleria en recepcion. | 10 | 134247 |
| 3 | 5/31/2021 7:15:54 AM | Paciente entrega papeleria. | 10 | 134247 |
| 4 | 5/31/2021 7:16:33 AM | Recepcionista establece la condicion del pacient... | 10 | 134247 |
| 5 | 5/31/2021 7:17:47 AM | Enfermera comienza la revision del paciente. | 10 | 134247 |

```

40 • SELECT * FROM Paciente;
41 • SELECT * FROM LogHabitacion;
42 • SELECT * FROM LogActividades;
43

```

Result Grid | Filter Rows: | Export: W

| | idHabitacion | timestampx | statusx |
|---|--------------|----------------------|---------------------|
| ▶ | 12 | 5/31/2021 7:19:33 AM | Sala no disponible. |
| | 12 | 5/31/2021 7:20:00 AM | Inicia limpieza. |
| | 12 | 5/31/2021 7:20:35 AM | Sala disponible. |
| | 12 | 5/31/2021 7:29:15 AM | Sala no disponible. |
| | 12 | 5/31/2021 7:29:42 AM | Inicia limpieza. |

LogHabitacion 108 x

```

40 • SELECT * FROM Paciente;
41 • SELECT * FROM LogHabitacion;
42 • SELECT * FROM LogActividades;
43

```

Result Grid | Filter Rows:

| | idPaciente | edad | genero |
|---|------------|------|-----------|
| ▶ | 100000 | 95 | Otro |
| | 100001 | 40 | Femenino |
| | 100002 | 42 | Masculino |
| | 100003 | 8 | Femenino |
| | 100004 | 88 | Masculino |

Paciente 109 x

```

39 • SELECT * FROM Habitacion;
40 • SELECT * FROM Paciente;
41 • SELECT * FROM LogHabitacion;
42 • SELECT * FROM LogActividades;
43

```

Result Grid | Filter Rows: | E

| | 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 imagenes 1 |

Habitacion 110 x

SELECT COUNT(*) FROM cada tabla Día

```

44 • SELECT (SELECT COUNT(*) FROM Habitacion) as Habitacion,
45 (SELECT COUNT(*) FROM Paciente) as Paciente,
46 (SELECT COUNT(*) FROM LogHabitacion) as LogHabitacion,
47 (SELECT COUNT(*) FROM LogActividades) as LogActividades;
48
49 • LOAD DATA INFILE "C:\\ProgramData\\MySQL\\MySQL Server 8.0\\Uploads\\Pacientes.csv"
50 INTO TABLE Paciente
51 CHARACTER SET 'latin1'
52 FIELDS TERMINATED BY ',';

```

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

| Habitacion | Paciente | LogHabitacion | LogActividades |
|------------|----------|---------------|----------------|
| 15 | 154184 | 34617 | 33841 |

15:

Restauración de backup incremental 5

```

C:\Users\Wilson.Perez>mysql -u root -p practica1_db2 < backupIncremental_5v.sql
Enter password: *****

```

SELECT * FROM cada tabla

```

42 • SELECT * FROM LogActividades;
43
44 • SELECT (SELECT COUNT(*) FROM Habitacion) as Habitacion,
45 (SELECT COUNT(*) FROM Paciente) as Paciente,
46 (SELECT COUNT(*) FROM LogHabitacion) as LogHabitacion,
47 (SELECT COUNT(*) FROM LogActividades) as LogActividades;
48
49 • LOAD DATA INFILE "C:\\ProgramData\\MySQL\\MySQL Server 8.0\\Uploads\\Pacientes.csv"

```

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

| idLogActividades | timestampx | actividad | idHabitacion | idPaciente |
|------------------|----------------------|---|--------------|------------|
| 1 | 5/31/2021 7:12:14 AM | Paciente inicia el registro. | 10 | 134247 |
| 2 | 5/31/2021 7:13:16 AM | Paciente recibe papeleria en recepcion. | 10 | 134247 |
| 3 | 5/31/2021 7:15:54 AM | Paciente entrega papeleria. | 10 | 134247 |
| 4 | 5/31/2021 7:16:33 AM | Recepcionista establece la condicion del pacient... | 10 | 134247 |
| 5 | 5/31/2021 7:17:47 AM | Enfermera comienza la revision del paciente. | 10 | 134247 |

```

39 • SELECT * FROM Habitacion;
40 • SELECT * FROM Paciente;
41 • SELECT * FROM LogHabitacion;
42 • SELECT * FROM LogActividades;
43

```

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

| | idHabitacion | timestampx | statusx |
|---|--------------|----------------------|---------------------|
| ▶ | 12 | 5/31/2021 7:19:33 AM | Sala no disponible. |
| | 12 | 5/31/2021 7:20:00 AM | Inicia limpieza. |
| | 12 | 5/31/2021 7:20:35 AM | Sala disponible. |
| | 12 | 5/31/2021 7:29:15 AM | Sala no disponible. |
| | 12 | 5/31/2021 7:29:42 AM | Inicia limpieza. |

LogHabitacion 113 x

```

39 • SELECT * FROM Habitacion;
40 • SELECT * FROM Paciente;
41 • SELECT * FROM LogHabitacion;
42 • SELECT * FROM LogActividades;
43

```

Result Grid | Filter Rows: |

| | idPaciente | edad | genero |
|---|------------|------|-----------|
| ▶ | 100000 | 95 | Otro |
| | 100001 | 40 | Femenino |
| | 100002 | 42 | Masculino |
| | 100003 | 8 | Femenino |
| | 100004 | 88 | Masculino |

Paciente 114 x

```

39 • SELECT * FROM Habitacion;
40 • SELECT * FROM Paciente;
41 • SELECT * FROM LogHabitacion;
42 • SELECT * FROM LogActividades;
43

```

Result Grid | Filter Rows: |

| | idHabitacion | habitacion |
|---|--------------|--------------------|
| ▶ | 1 | Sala de examenes 1 |
| | 2 | Sala de examenes 2 |
| | 3 | Sala de examenes 3 |
| | 4 | Sala de examenes 4 |
| | 5 | Sala de imagenes 1 |

Habitacion 115 x

SELECT COUNT(*) FROM cada tabla

```

44 • SELECT (SELECT COUNT(*) FROM Habitacion) as Habitacion,
45 (SELECT COUNT(*) FROM Paciente) as Paciente,
46 (SELECT COUNT(*) FROM LogHabitacion) as LogHabitacion,
47 (SELECT COUNT(*) FROM LogActividades) as LogActividades;
48
49 • LOAD DATA INFILE "C:\\ProgramData\\MySQL\\MySQL Server 8.0\\Upload

```

| Result Grid Filter Rows: <input type="text"/> Export: Wrap Cell Content: | | | | |
|--|------------|----------|---------------|----------------|
| | Habitacion | Paciente | LogHabitacion | LogActividades |
| ▶ 15 | | 154184 | 34617 | 67684 |

Análisis de los Resultados

Tabla de tiempos en creación

| Tipo de Backup | Día | Acción | Tiempo (s) |
|----------------|-----|----------|------------|
| Full 1 | 1 | Creación | 2.204 |
| Full 2 | 2 | Creación | 3.208 |
| Full 3 | 3 | Creación | 2.971 |
| Full 4 | 4 | Creación | 5.213 |
| Full 5 | 5 | Creación | 5.081 |
| Incremental 1 | 1 | Creación | 0.060 |
| Incremental 2 | 2 | Creación | 0.032 |
| Incremental 3 | 3 | Creación | 0.033 |
| Incremental 4 | 4 | Creación | 0.032 |
| Incremental 5 | 5 | Creación | 0.030 |
| | | | |

Tabla de tiempos de restauración

| Tipo de Backup | Día | Acción | Tiempo (s) |
|----------------|-----|--------------|------------|
| Full 1 | 6 | Restauración | 3.004 |
| Full 2 | 7 | Restauración | 5.671 |
| Full 3 | 8 | Restauración | 4.656 |

| | | | |
|---------------|----|--------------|-------|
| Full 4 | 9 | Restauración | 5.05 |
| Full 5 | 10 | Restauración | 5.65 |
| Incremental 1 | 11 | Restauración | 0.060 |
| Incremental 2 | 12 | Restauración | 0 |
| Incremental 3 | 13 | Restauración | 0 |
| Incremental 4 | 14 | Restauración | 0 |
| Incremental 5 | 15 | Restauración | 0 |
| | | | |

En base a los resultados proporcionados en las tablas anteriores, que detallan el tiempo necesario para realizar cada backup y su correspondiente proceso de restauración, observamos una consistencia notable en los tiempos. Las variaciones entre un backup y otro son mínimas, tanto en la fase de creación como en la de restauración.

Sin embargo, al realizar una comparación específica entre el tiempo dedicado a la ejecución de backups completos y backups incrementales, se destaca una diferencia significativa. Los backups incrementales se llevan a cabo en un tiempo notablemente menor en comparación con sus contrapartes completas, incluso no sobrepasaron el segundo . Esto sugiere una eficiencia considerable al adoptar estrategias de respaldo incrementales en nuestro sistema de base de datos.

En bases de datos más extensas, el tiempo se convierte en un factor crucial. Por ello, se podría contemplar la opción del backup incremental como un equilibrio efectivo entre la eficiencia en el uso de recursos y la capacidad de lograr una recuperación más detallada.

Conclusiones

- La implementación de backups incrementales junto con backups completos permite una gestión eficiente del tiempo y recursos. Ambas aseguran respaldos rápidos y frecuentes, optimizando el uso de los recursos del sistema.
- El Backup Incremental es más complejo en realizar, pero el tiempo de respuesta tanto en la creación como en la restauración, permiten una mejor eficiencia tanto de recursos como de tiempo. En bases de datos más grandes, los dos factores, tiempo y eficiencia, pueden tener un gran peso.

- Al seleccionar el backup incremental como primera opción, se garantiza una mayor granularidad en la recuperación de datos. Esto facilita la restauración precisa hasta momentos cercanos en el tiempo, reduciendo la pérdida de información en situaciones críticas.