

Universidad de San Carlos de Guatemala USAC.

Base de datos 2

Escuela de Vacaciones Primer semestre

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Practica 1

Integrantes

Estudiante

David Enrique Lux Barrera (externo)
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Carnet

201931344 - 3251891101401
201930304 - 3235492250801
201901055

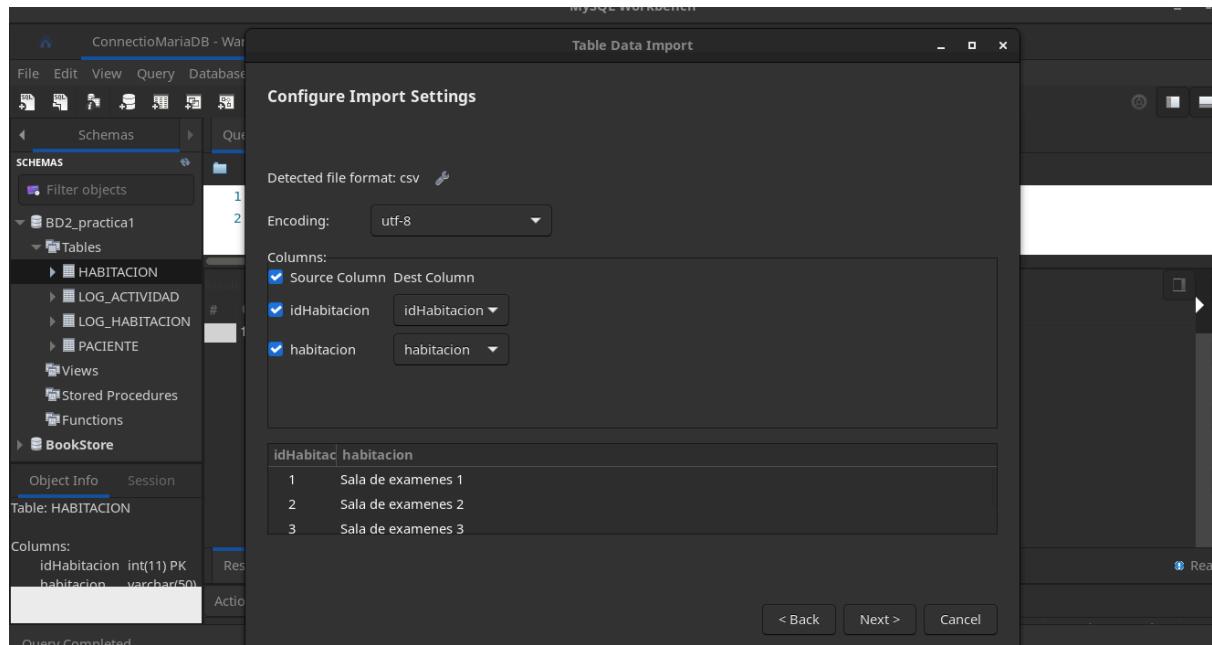
Tabla de distribución de Actividades por dia

No. Dia	Encargado	No. Actividad
Dia 1	Elvis Aguilar	Actividad 1 Actividad 2 Actividad 6 Actividad 7 Actividad 11
Dia 2	Ángel Aragón	Actividad 12 Actividad 3 Actividad 8 Actividad 4 Actividad 9
Dia 3	David Lux	Actividad 5 Actividad 10 Actividad 13 Actividad 14 Actividad 15

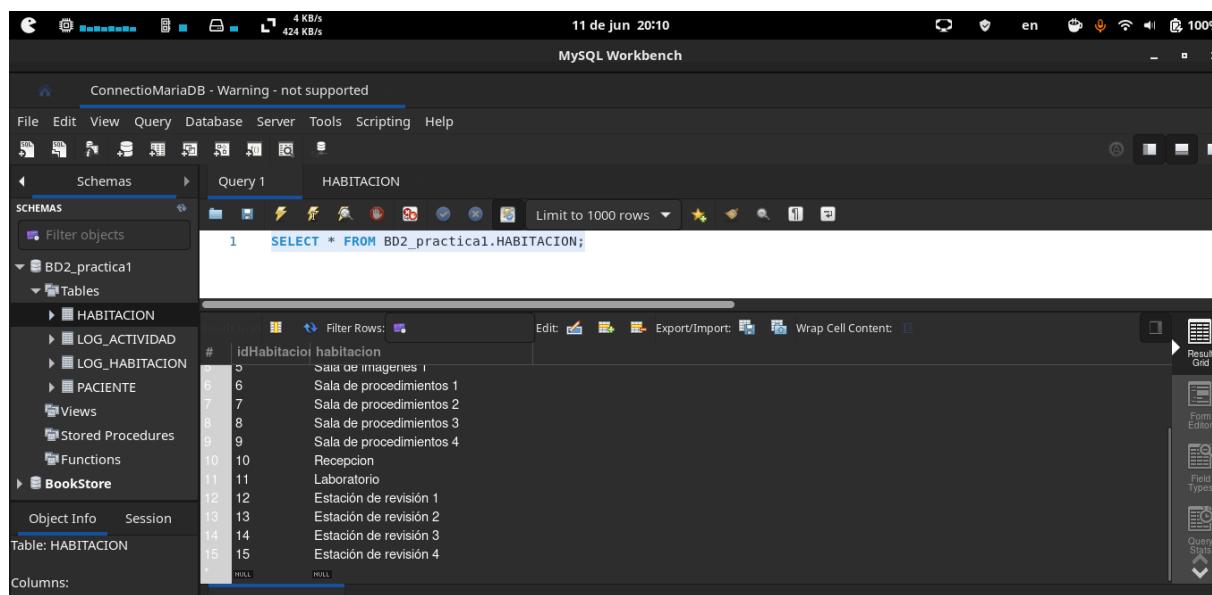
Dia 1 (11 de junio 2024)

1. Actividad 1

Carga de datos **Habitaciones**: con ayuda de workbench.



SELECT * FROM cada tabla



SELECT COUNT(*) FROM cada tabla

The screenshot shows the MySQL Workbench interface. In the left sidebar, under 'SCHEMAS', the 'BD2_practical' schema is selected. Under 'Tables', the 'HABITACION' table is shown. A query window titled 'Query 1' contains the following SQL code:

```

1 SELECT * FROM BD2_practical.HABITACION;
2 • SELECT COUNT(*) FROM BD2_practical.HABITACION;

```

The results grid shows one row with the value '15'.

Creación de backup completo

The screenshot shows a Visual Studio Code editor window with two tabs: 'scriptpractica1.sql' and 'full_backup_1.sql'. The 'full_backup_1.sql' tab contains the following SQL script:

```

-- MariaDB dump 10.19-11.3.2-MariaDB (MySQL Community Server) (revision 0x09c4)
-- Host: localhost Database: BD2_practical
-- -----
-- Server version 11.3.2-MariaDB

/*!40101 SET @OLD_CHARACTER_SET_CLIENT=@CHARACTER_SET_CLIENT */;
/*!40101 SET @OLD_CHARACTER_SET_RESULTS=@CHARACTER_SET_RESULTS */;
/*!40101 SET @OLD_COLLATION_CONNECTION=@COLLATION_CONNECTION */;
/*!40101 SET NAMES utf8mb4 */;
/*!40103 SET @OLD_TIME_ZONE=@TIME_ZONE */;
/*!40103 SET TIME_ZONE='+00:00' */;
/*!40014 SET @OLD_UNIQUE_CHECKS=@UNIQUE_CHECKS, UNIQUE_CHECKS=0 */;
/*!40014 SET @OLD_FOREIGN_KEY_CHECKS=@FOREIGN_KEY_CHECKS, FOREIGN_KEY_CHECKS=0 */;
/*!40101 SET @OLD_SQL_MODE=@SQL_MODE, SQL_MODE='NO_AUTO_VALUE_ON_ZERO' */;
/*!40111 SET @OLD_SQL_NOTES=@SQL_NOTES, SQL_NOTES=0 */;

-- Table structure for table 'HABITACION'

DROP TABLE IF EXISTS `HABITACION`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;


```

Creación de backup incremental

The screenshot shows a Visual Studio Code editor window with two tabs: 'scriptpractica1.sql' and 'backup_incremental_1.sql'. The 'backup_incremental_1.sql' tab contains the following SQL script:

```

-- Table structure for table 'HABITACION'

DROP TABLE IF EXISTS `HABITACION`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
CREATE TABLE `HABITACION` (
  `idHabitacion` int(11) NOT NULL,
  `habitacion` varchar(50) DEFAULT NULL,
  PRIMARY KEY (`idHabitacion`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_unicode_ci;
/*!40101 SET character_set_client = @saved_cs_client */;

-- Dumping data for table 'HABITACION'

LOCK TABLES `HABITACION` WRITE;
/*!40000 ALTER TABLE `HABITACION` DISABLE KEYS */;
INSERT INTO `HABITACION` VALUES
(1,'Sala de examenes 1');


```

2. Actividad 6

Eliminación de datos

The screenshot shows the MySQL Workbench interface. In the top-left corner, there's a warning message: "ConnectioMariaDB - Warning - not supported". The main window has a toolbar at the top with various icons. Below the toolbar is a menu bar: File, Edit, View, Query, Database, Server, Tools, Scripting, Help. The "Query" tab is selected. A left sidebar titled "Schemas" shows two databases: "BookStore" and "sys". The main query editor window is titled "Query 1" and contains the command: "1 • DROP DATABASE BD2_practica1;". Below the query window is an "Action Output" table with the following log entries:

#	Time	Action	Message	Duration / Fetch
10	20:09:39	SELECT * FROM BD2_practica1.HABITACION LIMIT 0, 10..	15 row(s) returned	0.00048 sec / 0.000..
11	20:13:43	SELECT COUNT(*) FROM BD2_practica1.HABITACION LI...	1 row(s) returned	0.00037 sec / 0.000..
12	20:38:48	SHOW SESSION VARIABLES LIKE 'lower_case_table_na...	OK	0.000 sec
13	20:38:48	SHOW DATABASES	OK	0.000 sec
14	20:38:51	SHOW SESSION VARIABLES LIKE 'lower_case_table_na...	OK	0.000 sec
15	20:38:51	SHOW COLUMNS FROM 'BD2_practica1'.HABITACION	OK	0.000 sec
16	21:26:32	DROP DATABASE BD2_practica1	4 row(s) affected	0.690 sec

At the bottom of the interface, it says "Active schema was cleared".

Restauración de full backup 1 (Tiempo = 1.941s)

This screenshot shows the MySQL Workbench interface again. The top-left warning message is still present. The "Query" tab is selected. The left sidebar shows the "BookStore" schema. The main query editor window is titled "Query 1" and contains the command: "1 CREATE DATABASE BD2_practica1;". Below the query window is an "Action Output" table with the following log entries:

#	Time	Action	Message	Duration / Fetch
1	21:29:36	CREATE DATABASE BD2_practica1;	1 row(s) affected	0.0010 sec
11	20:13:43	SELECT COUNT(*) FROM BD2_practica1.HABITACION LI...	1 row(s) returned	0.00037 sec / 0.000..
12	20:38:48	SHOW SESSION VARIABLES LIKE 'lower_case_table_na...	OK	0.000 sec
13	20:38:48	SHOW DATABASES	OK	0.000 sec
14	20:38:51	SHOW SESSION VARIABLES LIKE 'lower_case_table_na...	OK	0.000 sec
15	20:38:51	SHOW COLUMNS FROM 'BD2_practica1'.HABITACION	OK	0.000 sec
16	21:26:32	DROP DATABASE BD2_practica1	4 row(s) affected	0.690 sec
17	21:29:36	CREATE DATABASE BD2_practica1	1 row(s) affected	0.0010 sec

At the bottom, it says "Query Completed".

SELECT * FROM cada tabla

The image contains two side-by-side screenshots of MySQL Workbench. Both screenshots show the "Query" tab selected. The left sidebar shows the "BookStore" schema. The main query editor window is titled "Query 1" and contains four SELECT statements:

```

1 • SELECT * FROM BD2_practica1.HABITACION;
2 • SELECT * FROM BD2_practica1.PACIENTE;
3 • SELECT * FROM BD2_practica1.LOG_ACTIVIDAD;
4 • SELECT * FROM BD2_practica1.LOG_HABITACION;

```

The left screenshot shows the results for the "HABITACION" table:

#	idHabitacion	habitacion
0	9	Sala de procedimientos 3
1	9	Sala de procedimientos 4
2	10	Recepcion
3	11	Laboratorio
4	12	Estación de revisión 1
5	13	Estación de revisión 2
6	14	Estación de revisión 3
7	15	Estación de revisión 4

The right screenshot shows the results for the "PACIENTE" table:

#	idPaciente	edad	genero
1	NULL	NULL	NULL

11 de jun 21:34

MySQL Workbench

ConnectioMariaDB - Warning - not supported

File Edit View Query Database Server Tools Scripting Help

Schemas

Query 1 HABITACION

```

1 • SELECT * FROM BD2_practical.HABITACION;
2 • SELECT * FROM BD2_practical.PACIENTE;
3 • SELECT * FROM BD2_practical.LOG_ACTIVIDAD;
4 • SELECT * FROM BD2_practical.LOG_HABITACION;

```

#	id	timestamp	actividad	paciente	habitacion
	HULL	HULL	HULL	HULL	HULL

11 de jun 21:34

MySQL Workbench

ConnectioMariaDB - Warning - not supported

File Edit View Query Database Server Tools Scripting Help

Schemas

Query 1 HABITACION

```

1 • SELECT * FROM BD2_practical.HABITACION;
2 • SELECT * FROM BD2_practical.PACIENTE;
3 • SELECT * FROM BD2_practical.LOG_ACTIVIDAD;
4 • SELECT * FROM BD2_practical.LOG_HABITACION;

```

#	timestamp	statusx	idHabitacion
	HULL	HULL	HULL

SELECT COUNT(*) FROM cada tabla

11 de jun 21:36

MySQL Workbench

ConnectioMariaDB - Warning - not supported

File Edit View Query Database Server Tools Scripting Help

Schemas

Query 1 HABITACION

```

1 • SELECT COUNT(*) FROM BD2_practical.HABITACION;
2 • SELECT COUNT(*) FROM BD2_practical.PACIENTE;
3 • SELECT COUNT(*) FROM BD2_practical.LOG_ACTIVIDAD;
4 • SELECT COUNT(*) FROM BD2_practical.LOG_HABITACION;

```

#	COUNT(*)
	15

11 de jun 21:36

MySQL Workbench

ConnectioMariaDB - Warning - not supported

File Edit View Query Database Server Tools Scripting Help

Schemas

Query 1 HABITACION

```

1 • SELECT COUNT(*) FROM BD2_practical.HABITACION;
2 • SELECT COUNT(*) FROM BD2_practical.PACIENTE;
3 • SELECT COUNT(*) FROM BD2_practical.LOG_ACTIVIDAD;
4 • SELECT COUNT(*) FROM BD2_practical.LOG_HABITACION;

```

#	COUNT(*)
	0

11 de jun 21:36

MySQL Workbench

ConnectioMariaDB - Warning - not supported

File Edit View Query Database Server Tools Scripting Help

Schemas

Query 1 HABITACION

```

1 • SELECT COUNT(*) FROM BD2_practical.HABITACION;
2 • SELECT COUNT(*) FROM BD2_practical.PACIENTE;
3 • SELECT COUNT(*) FROM BD2_practical.LOG_ACTIVIDAD;
4 • SELECT COUNT(*) FROM BD2_practical.LOG_HABITACION;

```

#	COUNT(*)
	0

11 de jun 21:37

MySQL Workbench

ConnectioMariaDB - Warning - not supported

File Edit View Query Database Server Tools Scripting Help

Schemas

Query 1 HABITACION

```

1 • SELECT COUNT(*) FROM BD2_practical.HABITACION;
2 • SELECT COUNT(*) FROM BD2_practical.PACIENTE;
3 • SELECT COUNT(*) FROM BD2_practical.LOG_ACTIVIDAD;
4 • SELECT COUNT(*) FROM BD2_practical.LOG_HABITACION;

```

#	COUNT(*)
	0

3. Actividad 11

Eliminación de datos

11 de jun 21:50

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Schemas

BD2_practica1

Tables

HABITACION

LOG_ACTIVIDAD

LOG_HABITACION

PACIENTE

Views

Stored Procedures

Functions

BookStore

Object Info Session

Table: LOG_ACTIVIDAD

Columns:

```
id int(11) PK
timestamp
```

Action Output

#	Time	Action	Message	Duration / Fetch
1	21:50:02	SET FOREIGN_KEY_CHECKS = 0	0 row(s) affected	0.00051 sec
2	21:50:02	TRUNCATE TABLE BD2_practica1.HABITACION	0 row(s) affected	0.131 sec
3	21:50:02	SET FOREIGN_KEY_CHECKS = 1	0 row(s) affected	0.00047 sec

Query Completed

11 de jun 21:52

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Schemas

BD2_practica1

Tables

HABITACION

LOG_ACTIVIDAD

LOG_HABITACION

PACIENTE

Views

Stored Procedures

Functions

BookStore

Object Info Session

Table: LOG_ACTIVIDAD

Columns:

```
id int(11) PK
timestamp
```

Action Output

#	Time	Action	Message	Duration / Fetch
1	21:50:02	SELECT * FROM BD2_practica1.HABITACION;		
2	21:50:02	SELECT * FROM BD2_practica1.PACIENTE;		
3	21:50:02	SELECT * FROM BD2_practica1.LOG_ACTIVIDAD;		
4	21:50:02	SELECT * FROM BD2_practica1.LOG_HABITACION;		

Result Grid

#	idHabitacion	habitacion
HULL		

Form Editor

Apply Revert

Query Completed

Restauración de backup incremental 1 (Tiempo =0.96s)

11 de jun 21:55

Carpeta personal / BD1_Backups_Practia1

mysqld

elvis@elvis-agui~

mysql

Backup Incremental 1.sql

full mysql -u root -p4056ELVIS BD2_practica1 < /home/elvis/BD1_Backups_Practia1/backup_incremental_1.sql

mysql: Deprecated program name. It will be removed in a future release, use '/usr/bin/mariadb' instead

SELECT * FROM cada tabla

The screenshot shows the MySQL Workbench interface with the following details:

- Query Editor:** Contains four SQL statements:
 1. • SELECT * FROM BD2_practica1.HABITACION;
 2. • SELECT * FROM BD2_practica1.PACIENTE;
 3. • SELECT * FROM BD2_practica1.LOG_ACTIVIDAD;
 4. • SELECT * FROM BD2_practica1.LOG_HABITACION;
- Results Grid:** Displays the data from the HABITACION table.

#	idHabitacion	habitacion
10	10	Recepcion
11	11	Laboratorio
12	12	Estación de revisión 1
13	13	Estación de revisión 2
14	14	Estación de revisión 3
15	15	Estación de revisión 4
- Logs:** Shows two log entries:

#	Time	Action	Message	Duration / Fetch
10	21:56:15	SELECT * FROM BD2_practica1.LOG_ACTIVIDAD LIMIT 0...	0 row(s) returned	0.00031 sec / 0.000...
11	21:56:15	SELECT * FROM BD2_practica1.LOG_HABITACION LIMIT 0...	0 row(s) returned	0.00029 sec / 0.000...

SELECT COUNT(*) FROM cada tabla

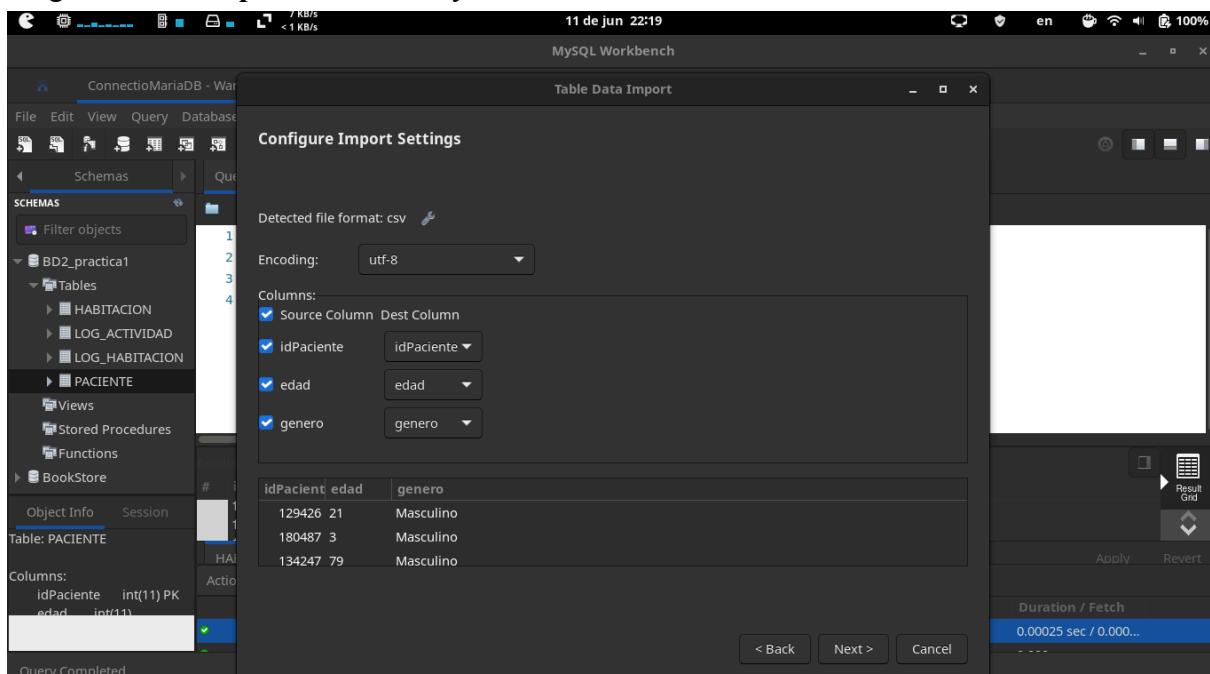
The screenshot shows the MySQL Workbench interface with the following details:

- Query Editor:** Contains four SQL statements:
 1. • SELECT COUNT(*) FROM BD2_practica1.HABITACION;
 2. • SELECT COUNT(*) FROM BD2_practica1.PACIENTE;
 3. • SELECT COUNT(*) FROM BD2_practica1.LOG_ACTIVIDAD;
 4. • SELECT COUNT(*) FROM BD2_practica1.LOG_HABITACION;
- Results Grid:** Displays the count of rows from the HABITACION table.

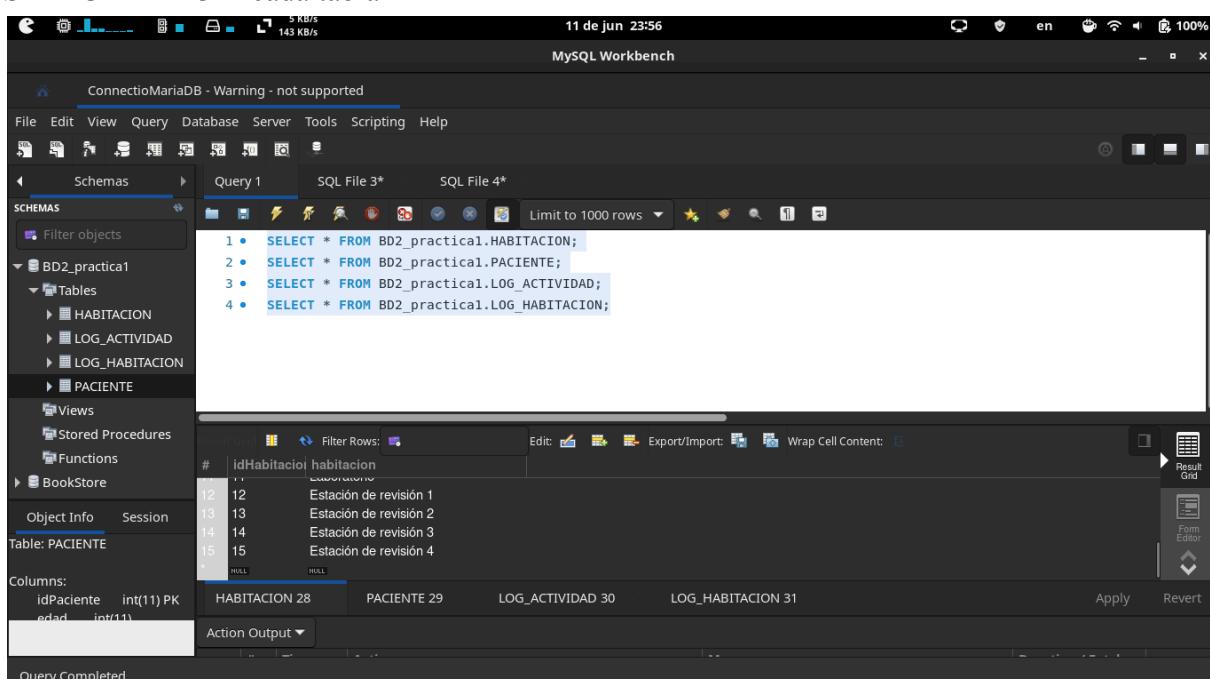
#	COUNT(*)
1	15

4. Actividad 2

Carga de datos de pacientes: con ayuda de workbench.



SELECT * FROM cada tabla



The screenshot shows the MySQL Workbench interface. The top bar displays the title "MySQL Workbench" and the date "11 de jun 23:57". The left sidebar shows the database schema with "BD2_practica1" selected, containing "Tables", "Views", "Stored Procedures", "Functions", and "BookStore". The main area has tabs "Query 1", "SQL File 3*", and "SQL File 4*". Below the tabs is a toolbar with various icons. The SQL editor contains the following four queries:

```
1 • SELECT * FROM BD2_practica1.HABITACION;
2 • SELECT * FROM BD2_practica1.PACIENTE;
3 • SELECT * FROM BD2_practica1.LOG_ACTIVIDAD;
4 • SELECT * FROM BD2_practica1.LOG_HABITACION;
```

The results grid shows data for the "PACIENTE" table:

#	idPaciente	edad	genero
994	100993	41	Femenino
995	100994	18	Masculino
996	100995	28	Femenino
997	100996	30	Masculino
998	100997	80	Masculino
999	100998	90	Masculino
1...	100999	29	Femenino

Below the grid, the status bar shows "HABITACION 28", "PACIENTE 29", "LOG_ACTIVIDAD 30", "LOG_HABITACION 31", "Apply", and "Revert". The bottom left corner indicates "Query Completed".

SELECT COUNT(*) FROM cada tabla

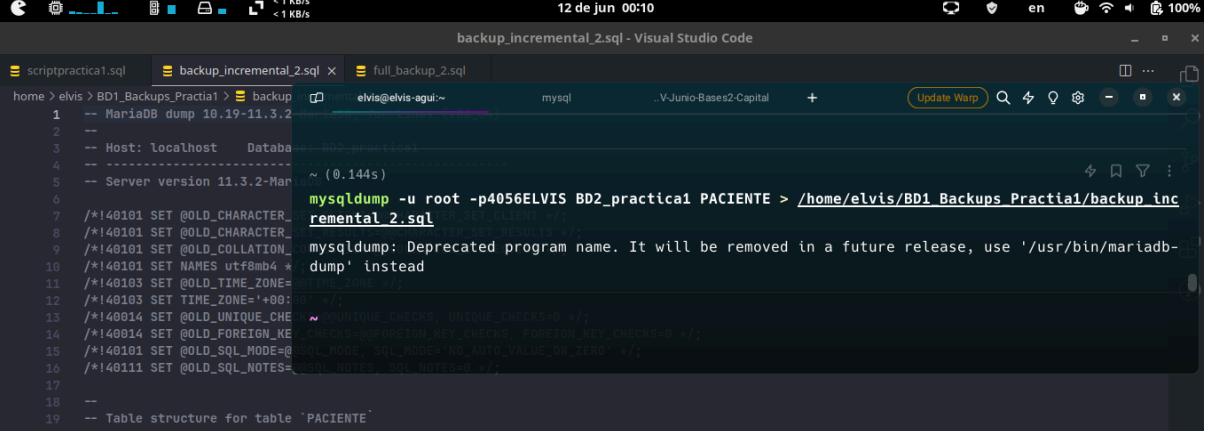
The figure shows two side-by-side sessions in MySQL Workbench. Both sessions are connected to 'ConnectioMariaDB - Warning - not supported' and show the same timestamp: '11 de jun 23:57'. The left session has a title bar 'MySQL Workbench' and the right session has a title bar 'MySQL Workbench'. Both sessions have a top menu bar: File, Edit, View, Query, Database, Server, Tools, Scripting, Help. Below the menu is a toolbar with various icons. The main area is divided into two tabs: 'Query 1' and 'SQL File 3*'. The 'Query 1' tab contains four numbered SQL statements:

- SELECT COUNT(*) FROM BD2_practical.HABITACION;
- SELECT COUNT(*) FROM BD2_practical.PACIENTE;
- SELECT COUNT(*) FROM BD2_practical.LOG_ACTIVIDAD;
- SELECT COUNT(*) FROM BD2_practical.LOG_HABITACION;

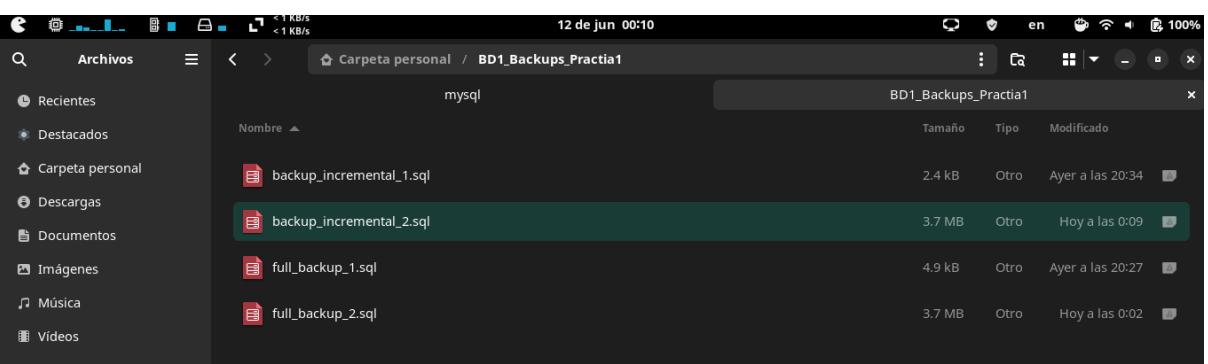
The left session also shows a 'Schemas' tree on the left with 'BD2_practical' expanded, showing 'Tables', 'Views', 'Stored Procedures', 'Functions', and 'BookStore'. The right session shows a similar schema structure. At the bottom of both sessions is a results grid. In the left session, the first row has '# COUNT(*)' and the value '15'. In the right session, the first row has '# COUNT(*)' and the value '154184'. Both sessions also have 'Filter Rows:' and 'Export' buttons at the bottom.

Creación de backup completo

Creación de backup incremental



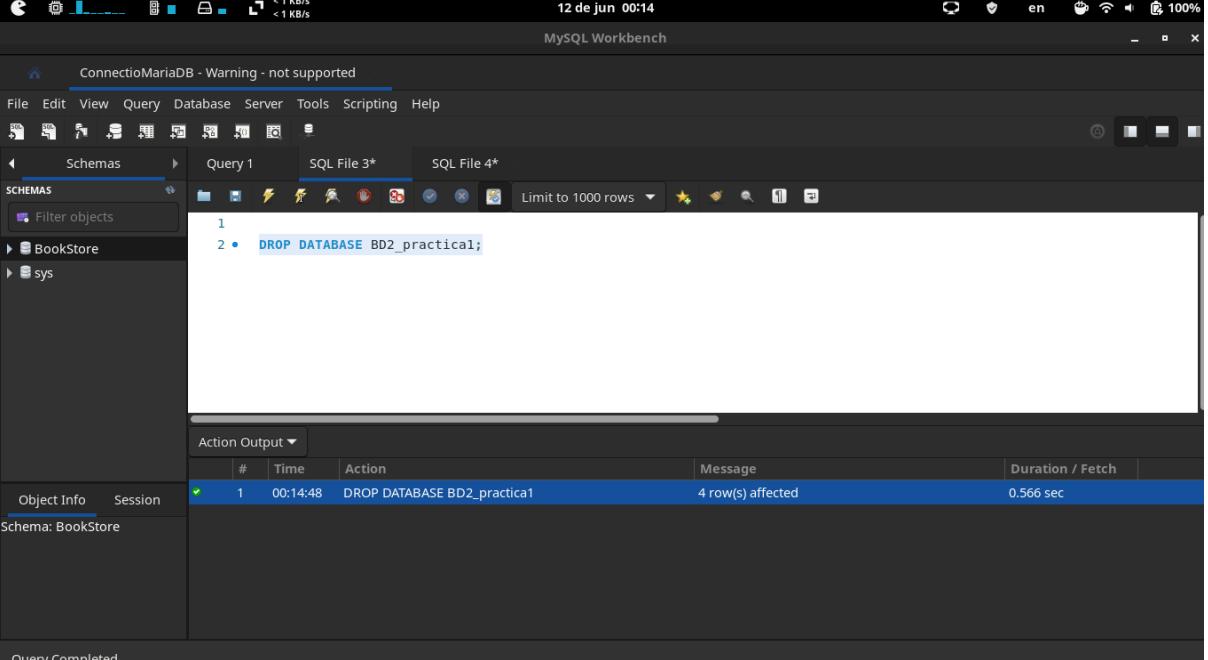
```
1 -- MariaDB dump 10.19-11.3.2
2 --
3 -- Host: localhost      Database: BD2_practical1
4 --
5 -- Server version 11.3.2-MariaDB-1~Ubuntu-0ubuntu0.20.04.1
6 mysqldump -u root -p4056ELVIS BD2_practical1 PACIENTE > /home/elvis/BD1_Backups_Practia1/backup_incremental_2.sql
7 /*!40101 SET @OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT */;
8 /*!40101 SET @OLD_CHARACTER_SET_RESULTS=@@CHARACTER_SET_RESULTS */;
9 /*!40101 SET @OLD_COLLATION_CONNECTION=@@COLLATION_CONNECTION */;
10 mysqldump: Deprecated program name. It will be removed in a future release, use '/usr/bin/mariadb-dump' instead
11 /*!40101 SET NAMES utf8mb4 */;
12 /*!40103 SET @OLD_TIME_ZONE=@@TIME_ZONE */;
13 /*!40103 SET TIME_ZONE='+00:00' */;
14 /*!40014 SET @OLD_UNIQUE_CHECKS=@@UNIQUE_CHECKS, UNIQUE_CHECKS=0 */;
15 /*!40014 SET @OLD_FOREIGN_KEY_CHECKS=@@FOREIGN_KEY_CHECKS, FOREIGN_KEY_CHECKS=0 */;
16 /*!40101 SET @OLD_SQL_MODE=@@SQL_MODE, SQL_MODE='NO_AUTO_VALUE_ON_ZERO' */;
17 /*!40111 SET @OLD_SQL_NOTES=@@SQL_NOTES, SQL_NOTES=0 */;
18 --
19 -- Table structure for table `PACIENTE`
```



Nombre	Tamaño	Tipo	Modificado
backup_incremental_1.sql	2.4 kB	Otro	Ayer a las 20:34
backup_incremental_2.sql	3.7 MB	Otro	Hoy a las 0:09
full_backup_1.sql	4.9 kB	Otro	Ayer a las 20:27
full_backup_2.sql	3.7 MB	Otro	Hoy a las 0:02

5. Actividad 7:

Eliminación de datos



File Edit View Query Database Server Tools Scripting Help

Schemas

Filter objects

BookStore

sys

Query 1 SQL File 3* SQL File 4*

1
2 • DROP DATABASE BD2_practical1;

Action Output

#	Time	Action	Message	Duration / Fetch
1	00:14:48	DROP DATABASE BD2_practical1	4 row(s) affected	0.566 sec

Object Info Session

Schema: BookStore

Query Completed

Restauración de full backup 2 (Tiempo = 6.778s)

12 de jun 00:17

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Schemas

Query 1 SQL File 3* SQL File 4*

```

1 • CREATE DATABASE BD2_practical;

```

elvis@elvis-agui:~ mysql ..VJunio-Bases2-Capital + Update Wrap

```

~ (6.778s)
mysql -u root -p4056ELVIS BD2_practical < /home/elvis/BD1_Backups Practica1/full backup 2.sql
mysql: Deprecated program name. It will be removed in a future release, use '/usr/bin/mariadb' instead

```

Object Info Session

Schema: BookStore

Query Completed

SELECT * FROM cada tabla

12 de jun 00:18

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Schemas

Query 1 SQL File 3* SQL File 4*

```

1 • SELECT * FROM BD2_practical.HABITACION;
2 • SELECT * FROM BD2_practical.PACIENTE;
3 • SELECT * FROM BD2_practical.LOG_ACTIVIDAD;
4 • SELECT * FROM BD2_practical.LOG_HABITACION;

```

#	idPaciente	edad	genero
100000	80	Masculino	
998	80	Masculino	
999	90	Masculino	
100000	29	Femenino	
HULL	HULL	HULL	

Object Info Session

Schema: BookStore

HABITACION 32 PACIENTE 33 LOG_ACTIVIDAD 34 LOG_HABITACION 35

Action Output

#	Time	Action	Message	Duration / Fetch
4	00:18:11	SELECT * FROM BD2_practical.LOG_ACTIVIDAD LIMIT 0... 0 row(s) returned		0.00029 sec / 0.000...
5	00:18:11	SELECT * FROM BD2_practical.LOG_HABITACION LIMIT 0... 0 row(s) returned		0.00048 sec / 0.000...

Query Completed

SELECT COUNT(*) FROM cada tabla

12 de jun 00:19

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Schemas

Query 1 SQL File 3* SQL File 4*

```

1 • SELECT COUNT(*) FROM BD2_practical.HABITACION;
2 • SELECT COUNT(*) FROM BD2_practical.PACIENTE;
3 • SELECT COUNT(*) FROM BD2_practical.LOG_ACTIVIDAD;
4 • SELECT COUNT(*) FROM BD2_practical.LOG_HABITACION;
5
6

```

#	COUNT(*)
1	15

12 de jun 00:19

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Schemas

Query 1 SQL File 3* SQL File 4*

```

1 • SELECT COUNT(*) FROM BD2_practical.HABITACION;
2 • SELECT COUNT(*) FROM BD2_practical.PACIENTE;
3 • SELECT COUNT(*) FROM BD2_practical.LOG_ACTIVIDAD;
4 • SELECT COUNT(*) FROM BD2_practical.LOG_HABITACION;
5
6

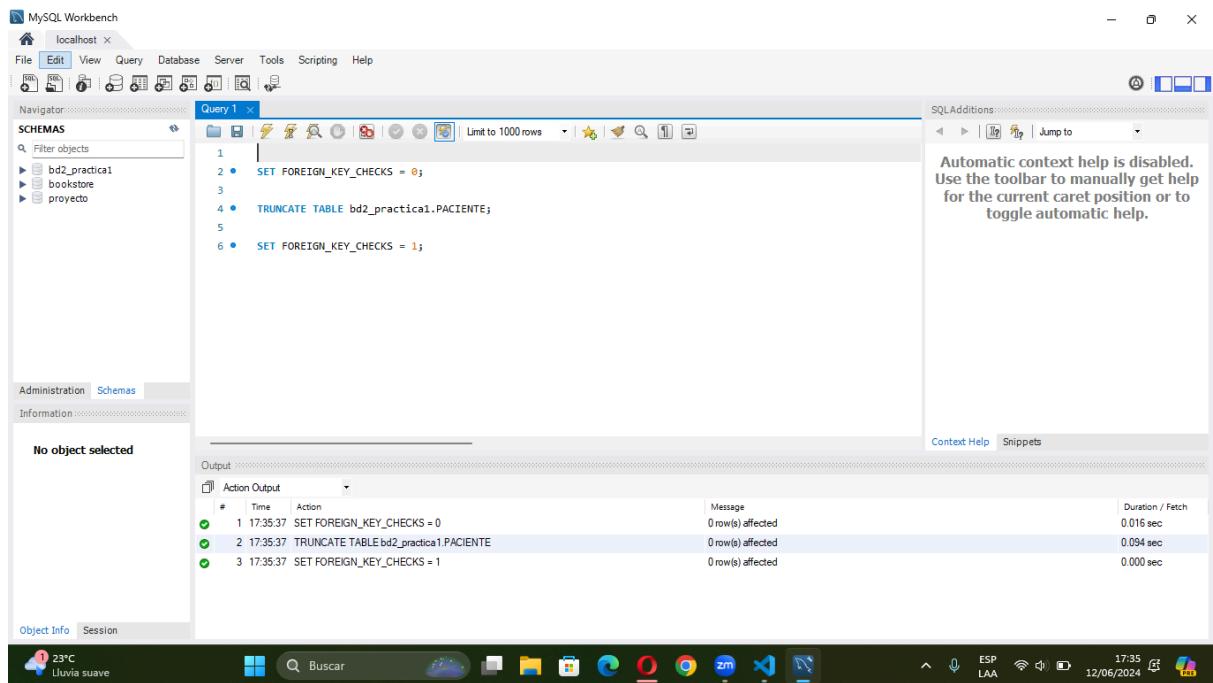
```

#	COUNT(*)
	154184

Dia 2 (12 de junio 2024)

6. Actividad 12 (Restauración Incremental ‘Pacientes’):

Eliminación de datos



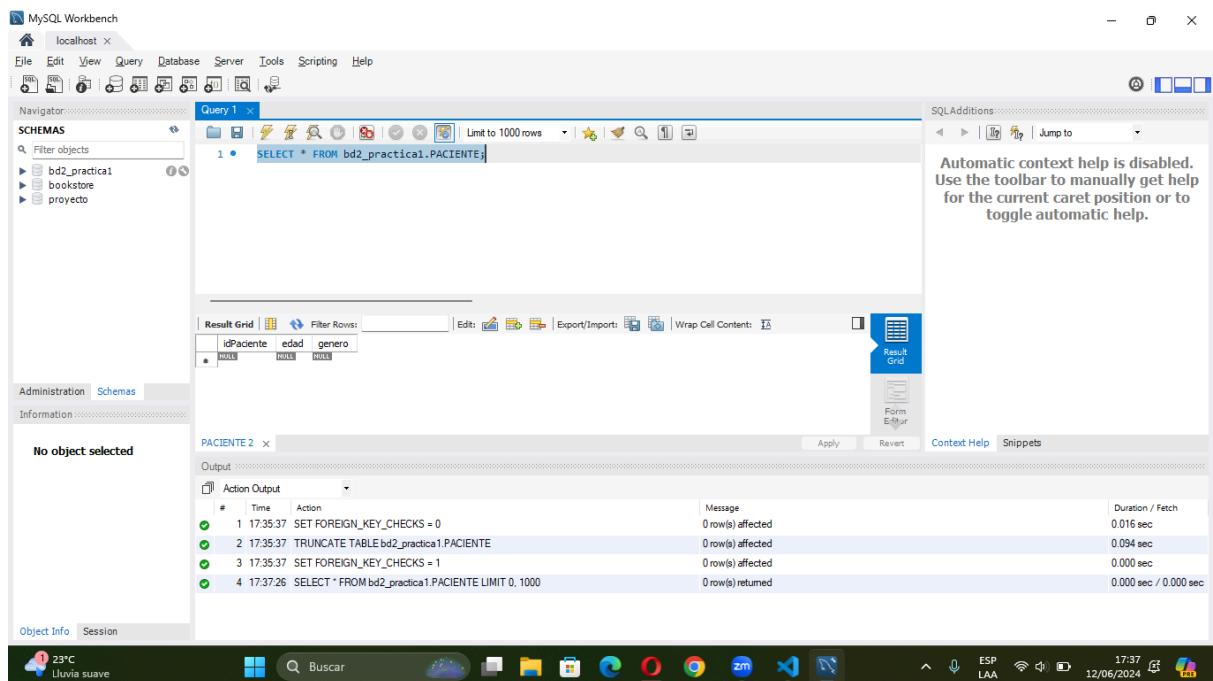
The screenshot shows the MySQL Workbench interface. In the Query Editor, the following SQL script is run:

```
1 |  
2 • SET FOREIGN_KEY_CHECKS = 0;  
3 |  
4 • TRUNCATE TABLE bd2_practica1.PACIENTE;  
5 |  
6 • SET FOREIGN_KEY_CHECKS = 1;
```

The Output pane shows the results of the actions:

#	Time	Action	Message	Duration / Fetch
1	17:35:37	SET FOREIGN_KEY_CHECKS = 0	0 row(s) affected	0.016 sec
2	17:35:37	TRUNCATE TABLE bd2_practica1.PACIENTE	0 row(s) affected	0.094 sec
3	17:35:37	SET FOREIGN_KEY_CHECKS = 1	0 row(s) affected	0.000 sec

Confirmación que está vacío



The screenshot shows the MySQL Workbench interface. In the Query Editor, the following SQL query is run:

```
1 • SELECT * FROM bd2_practica1.PACIENTE;
```

The Result Grid pane displays the following table:

	idPaciente	edad	genero
*	NULL	NULL	NULL

The Output pane shows the results of the actions:

#	Time	Action	Message	Duration / Fetch
1	17:35:37	SET FOREIGN_KEY_CHECKS = 0	0 row(s) affected	0.016 sec
2	17:35:37	TRUNCATE TABLE bd2_practica1.PACIENTE	0 row(s) affected	0.094 sec
3	17:35:37	SET FOREIGN_KEY_CHECKS = 1	0 row(s) affected	0.000 sec
4	17:37:26	SELECT * FROM bd2_practica1.PACIENTE LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec

Restauración de backup incremental 2

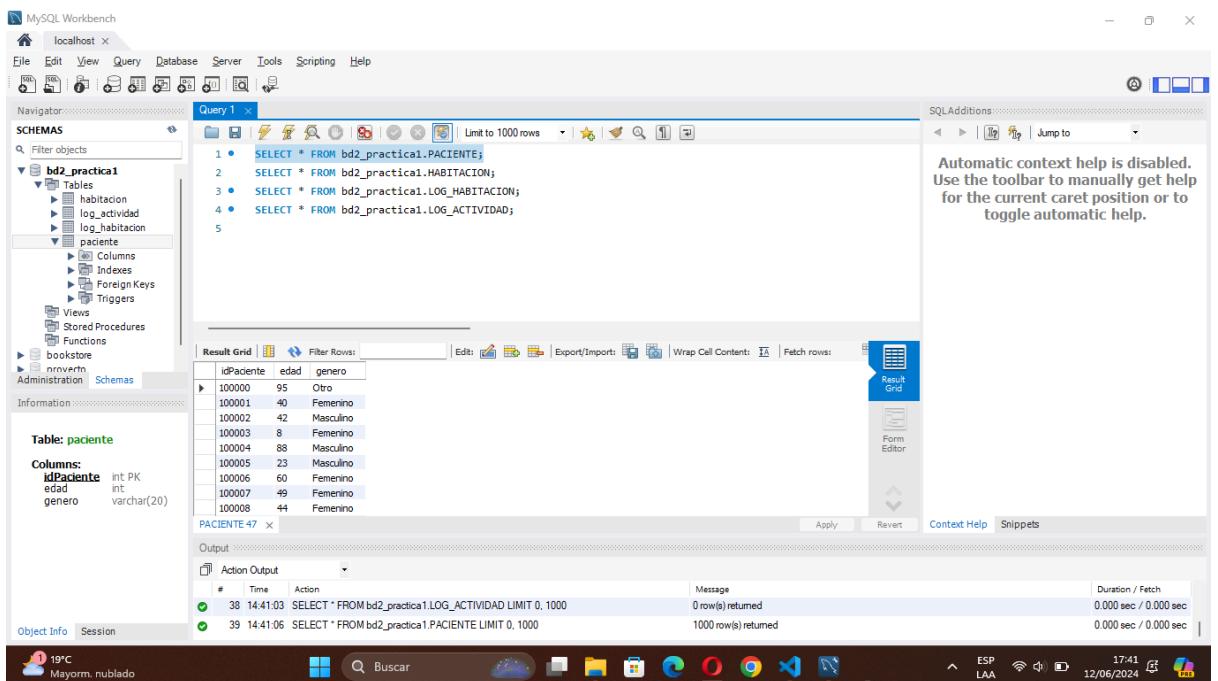
```

Administrator: Símbolo del sistema
C:\Users\angge>mysql -u root -p201901055 BD2_practical PACIENTE < C:\Users\angge\OneDrive\Documentos\GitHub\BD2-EVJ2024_G20\Practical\Archivos_Bac_2\Backup_full3.sql
C:\Windows\System32>

```

Tiempo de inicio: 17:38:13
 Tiempo de finalización: 17:38:16
 Duración: 3s

SELECT * FROM la tabla



The screenshot shows the MySQL Workbench interface. In the Navigator pane, the 'paciente' table under the 'bd2_practical' schema is selected. The 'Query 1' editor contains the following SQL code:

```

1 •  SELECT * FROM bd2_practical.PACIENTE;
2   SELECT * FROM bd2_practical.HABITACION;
3 •  SELECT * FROM bd2_practical.LOG_HABITACION;
4 •  SELECT * FROM bd2_practical.LOG_ACTIVIDAD;
5

```

The 'Result Grid' pane displays the data from the 'paciente' table:

	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

The 'Output' pane shows the execution log:

#	Time	Action	Message	Duration / Fetch
38	14:41:03	SELECT * FROM bd2_practical.LOG_ACTIVIDAD LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
39	14:41:06	SELECT * FROM bd2_practical.PACIENTE LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.000 sec

MySQL Workbench

localhost

File Edit View Query Database Server Tools Scripting Help

Navigator: SCHEMAS Filter objects

bd2_practical Tables habitacion log_actividad log_habitacion paciente Views Stored Procedures Functions

bookstore proyectos Administration Schemas

Information:

Table: paciente

Columns:

- idPaciente** int PK
- edad int
- genero varchar(20)

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: | Result Grid | Form Editor | Context Help | Snippets

HABITACION 48 x

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

Action Output

#	Time	Action	Message	Duration / Fetch
39	14:41:06	SELECT * FROM bd2_practical1.PACIENTE;	1000 row(s) returned	0.000 sec / 0.000 sec
40	14:41:23	SELECT * FROM bd2_practical1.HABITACION LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

19°C Mayorm. nublado

MySQL Workbench

localhost

File Edit View Query Database Server Tools Scripting Help

Navigator: SCHEMAS Filter objects

bd2_practical Tables habitacion log_actividad log_habitacion paciente Views Stored Procedures Functions

bookstore proyectos Administration Schemas

Information:

Table: paciente

Columns:

- idPaciente** int PK
- edad int
- genero varchar(20)

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: | Result Grid | Form Editor | Context Help | Snippets

LOG_HABITACION 49 x

timestamp	statusx	idHabitacion
NULL	NULL	NULL

Action Output

#	Time	Action	Message	Duration / Fetch
40	14:41:23	SELECT * FROM bd2_practical1.HABITACION LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
41	14:41:39	SELECT * FROM bd2_practical1.LOG_HABITACION LIMIT 0, 1000	0 row(s) returned	0.016 sec / 0.000 sec

Object Info Session

19°C Mayorm. nublado

MySQL Workbench

localhost

File Edit View Query Database Server Tools Scripting Help

Navigator: SCHEMAS Filter objects

bd2_practical Tables habitacion log_actividad log_habitacion paciente Views Stored Procedures Functions

bookstore proyectos Administration Schemas

Information:

Table: paciente

Columns:

- idPaciente** int PK
- edad int
- genero varchar(20)

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: | Result Grid | Form Editor | Context Help | Snippets

LOG_HABITACION 49 x

timestamp	statusx	idHabitacion
NULL	NULL	NULL

Action Output

#	Time	Action	Message	Duration / Fetch
40	14:41:23	SELECT * FROM bd2_practical1.HABITACION LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
41	14:41:39	SELECT * FROM bd2_practical1.LOG_HABITACION LIMIT 0, 1000	0 row(s) returned	0.016 sec / 0.000 sec

Object Info Session

19°C Mayorm. nublado

MySQL Workbench Screenshot:

```

Query 1:
1 •  SELECT * FROM bd2_practica1.PACIENTE;
2   SELECT * FROM bd2_practica1.HABITACION;
3 •  SELECT * FROM bd2_practica1.LOG_HABITACION;
4 •  SELECT * FROM bd2_practica1.LOG_ACTIVIDAD;
5

Result Grid:
+----+-----+-----+-----+-----+
| id | timestampx | actividad | paciente | habitacion |
+----+-----+-----+-----+-----+
| null | null | null | null | null |
+----+-----+-----+-----+-----+

```

LOG_ACTIVIDAD 50 x

Action Output	#	Time	Action	Message	Duration / Fetch
	41	14:41:39	SELECT * FROM bd2_practica1.LOG_HABITACION LIMIT 0, 1000	0 row(s) returned	0.016 sec / 0.000 sec
	42	14:41:53	SELECT * FROM bd2_practica1.LOG_ACTIVIDAD LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec

SELECT COUNT(*) FROM de la tabla

MySQL Workbench Screenshot:

```

Query 1:
1 •  SELECT
2     (SELECT COUNT(*) FROM bd2_practica1.PACIENTE) AS count_paciente,
3     (SELECT COUNT(*) FROM bd2_practica1.HABITACION) AS count_habitacion,
4     (SELECT COUNT(*) FROM bd2_practica1.LOG_HABITACION) AS count_log_habitacion,
5     (SELECT COUNT(*) FROM bd2_practica1.LOG_ACTIVIDAD) AS count_log_actividad;
6

Result Grid:
+-----+-----+-----+-----+
| count_paciente | count_habitacion | count_log_habitacion | count_log_actividad |
+-----+-----+-----+-----+
|      154184      |          15          |            0            |            0            |
+-----+-----+-----+-----+

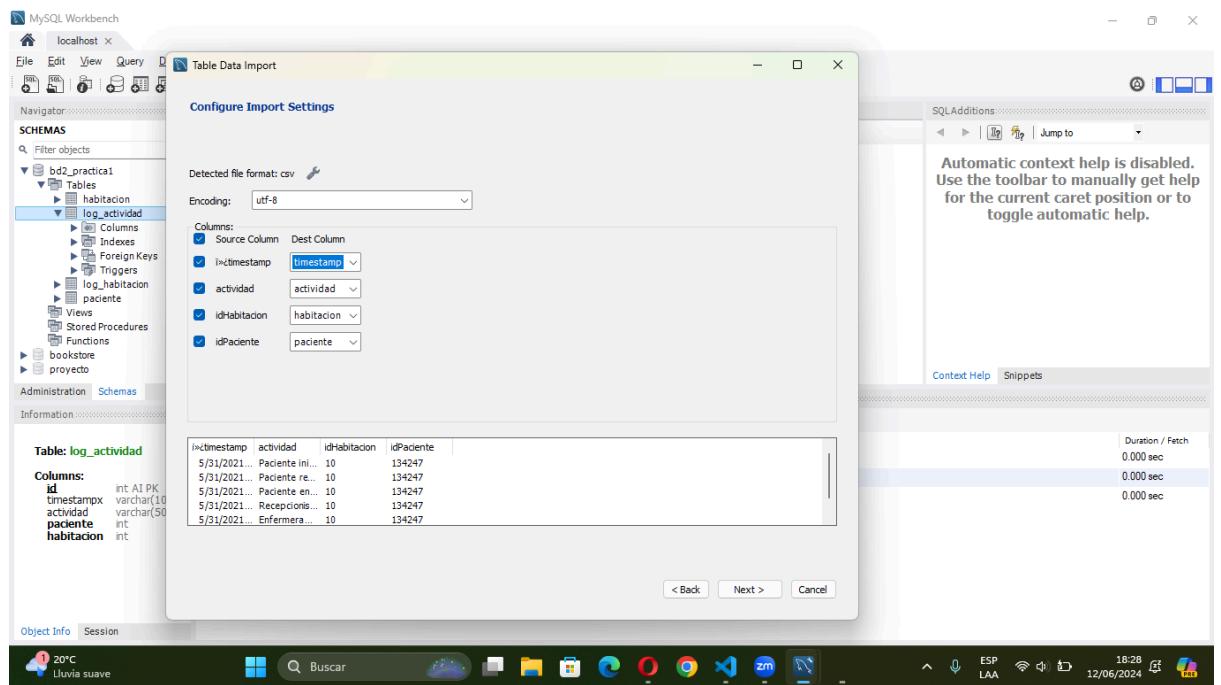
```

Result 51 x

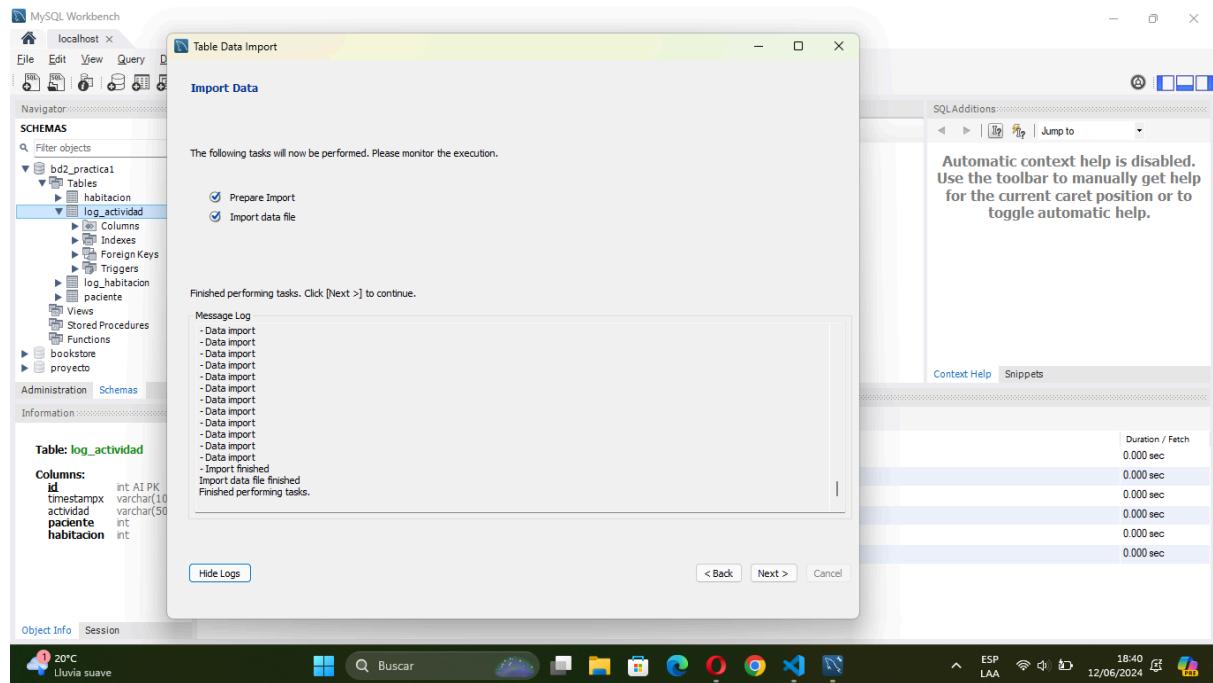
Action Output	#	Time	Action	Message	Duration / Fetch
	42	14:41:53	SELECT * FROM bd2_practica1.LOG_ACTIVIDAD LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
	43	14:42:08	SELECT (SELECT COUNT(*) FROM bd2_practica1.PACIENTE) AS count_paciente, (... 1 row(s) returned	0.047 sec / 0.000 sec	

7. Actividad 3 (Creación de Backups ‘Log Actividades 1’):

Carga de datos Log Actividades 1: con ayuda de workbench.



confirmación de la carga de datos



SELECT * FROM la tabla

MySQL Workbench

localhost

File Edit View Query Database Server Tools Scripting Help

Navigator: Schemas Administration Schemas Information

Table: log_actividad

Columns:

- id**: int AI PK
- timestampx**: varchar(100)
- actividad**: varchar(500)
- paciente**: int
- habitacion**: int

PACIENTE 4 HABITACION 5 LOG_HABITACION 6 LOG_ACTIVIDAD 7

Action Output

#	Time	Action	Message	Duration / Fetch
7	18:42:15	SELECT * FROM bd2_practica1.PACIENTE;	1000 row(s) returned	0.000 sec / 0.000 sec
8	18:42:15	SELECT * FROM bd2_practica1.HABITACION;	15 row(s) returned	0.000 sec / 0.000 sec
9	18:42:15	SELECT * FROM bd2_practica1.LOG_HABITACION;	0 row(s) returned	0.000 sec / 0.000 sec
10	18:42:15	SELECT * FROM bd2_practica1.LOG_ACTIVIDAD;	1000 row(s) returned	0.000 sec / 0.000 sec

Result Grid | Filter Rows: | Export/Import: | Wrap Cell Content: | Fetch rows: | Result Grid | Form Editor | Context Help | Snippets

Output:

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

SELECT COUNT(*) FROM de la tabla

MySQL Workbench

localhost

File Edit View Query Database Server Tools Scripting Help

Navigator: Schemas Administration Schemas Information

Table: log_actividad

Columns:

- id**: int AI PK
- timestampx**: varchar(100)
- actividad**: varchar(500)
- paciente**: int
- habitacion**: int

COUNT(*)

Action Output

#	Time	Action	Message	Duration / Fetch
11	18:43:11	SELECT COUNT(*) FROM bd2_practica1.PACIENTE;	1 row(s) returned	0.016 sec / 0.000 sec
12	18:43:11	SELECT COUNT(*) FROM bd2_practica1.HABITACION;	1 row(s) returned	0.000 sec / 0.000 sec
13	18:43:11	SELECT COUNT(*) FROM bd2_practica1.LOG_HABITACION;	1 row(s) returned	0.000 sec / 0.000 sec
14	18:43:11	SELECT COUNT(*) FROM bd2_practica1.LOG_ACTIVIDAD;	1 row(s) returned	0.000 sec / 0.000 sec

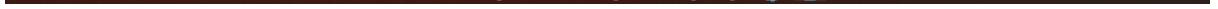
Result 8 Result 9 Result 10 Result 11 x Read Only | Context Help | Snippets

Output:

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

Creación de backup completo

```
Administrator: Símbolo del sistema
C:\Windows\System32>mysqldump -u root -p BD2_practica1 > C:\Users\angge\OneDrive\Documentos\GitHub\BD2-EVJ2024_G20\Practica1\Archivos_Backups\Dia_2\Backup_full3.sql
Enter password: *****
C:\Windows\System32>
```

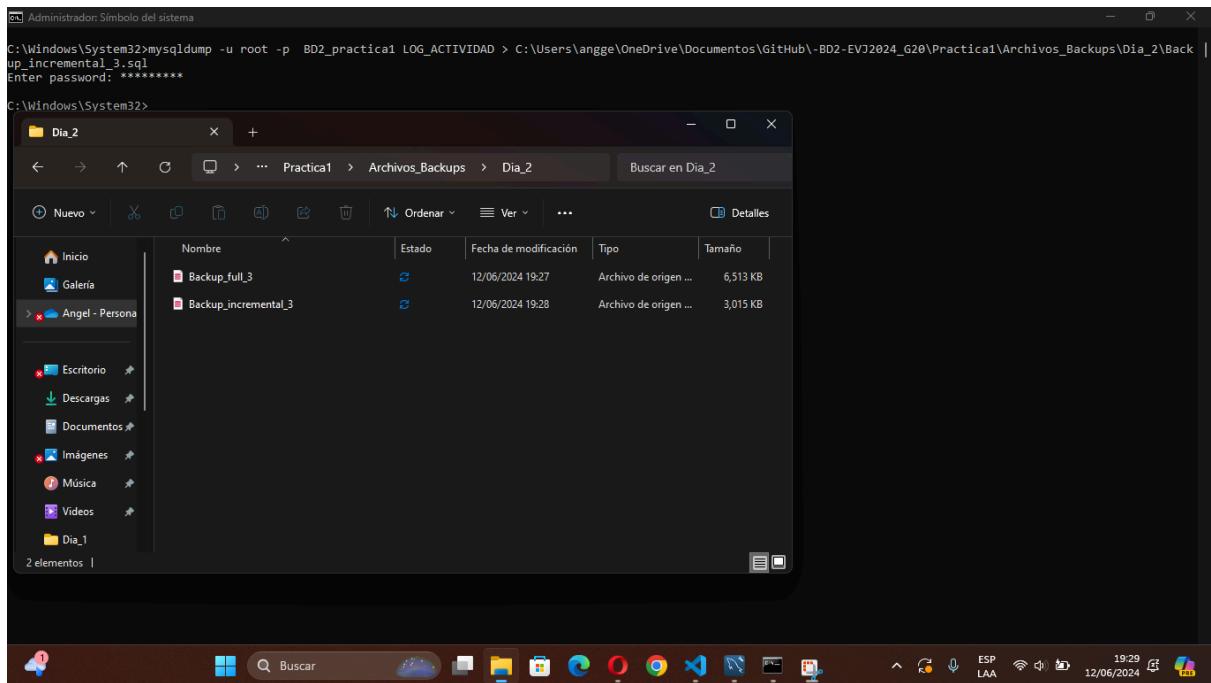


Creación de backup incremental

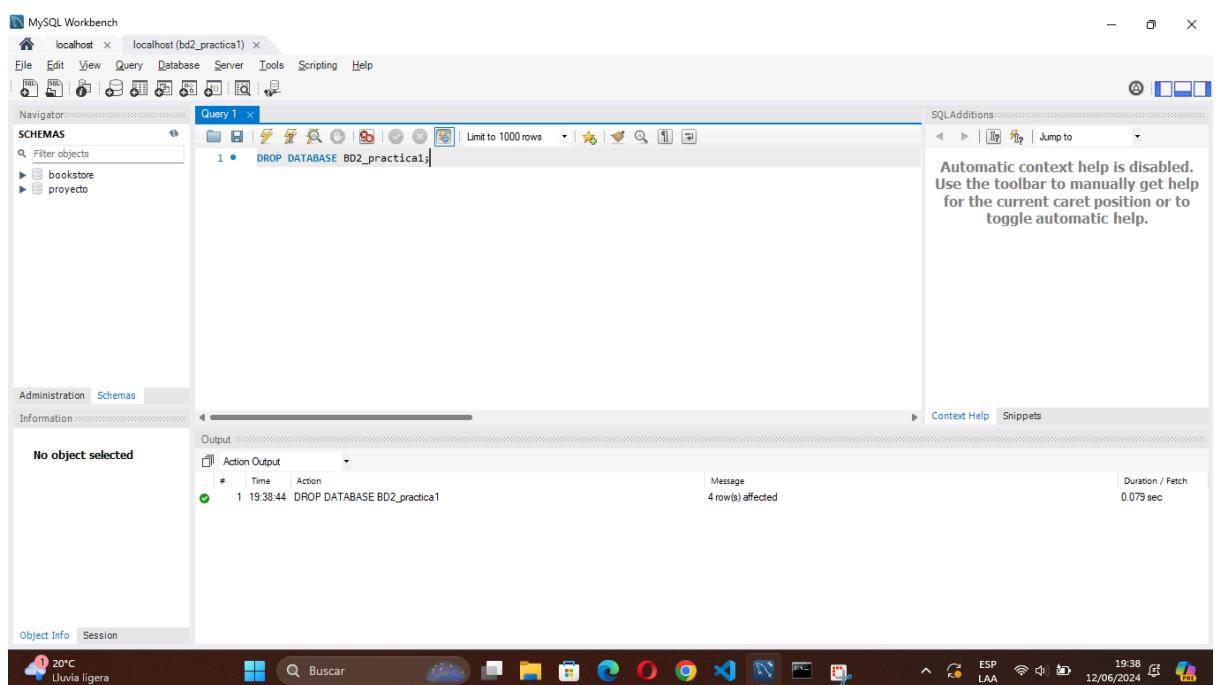
```
Administrator: Símbolo del sistema
C:\Windows\System32>mysqldump -u root -p BD2_practica1 LOG_ACTIVIDAD > C:\Users\angge\OneDrive\Documentos\GitHub\BD2-EVJ2024_G20\Practica1\Archivos_Backups\Dia_2\Back
up_incremental_3.sql
Enter password: *****
C:\Windows\System32>
```



Backups Creados



8. Actividad 8 (Restauración de Full backup ‘LogActividades1’): Eliminación de datos



Restauración de full backup 3

```
Símbolo del sistema x + v
Microsoft Windows [Versión 10.0.22631.3593]
(c) Microsoft Corporation. Todos los derechos reservados.

C:\Users\angge>mysql -u root -p BD2_practical < C:\Users\angge\OneDrive\Documentos\GitHub\BD2-EVJ2024_G20\Practical\Archivos_Backups\Dia_2\Backup_full_3.sql
Enter password: *****

C:\Users\angge>
```

Tiempo de inicio: 19:50:27
Tiempo de finalización: 19:50:34
Duración: 7.1s

SELECT * FROM cada tabla

The screenshot shows the MySQL Workbench interface. In the top-left pane, the database 'localhost (bd2_practica1)' is selected. The 'Query' tab is active, displaying four SELECT statements:

```
1 • SELECT * FROM bd2_practica1.PACIENTE;
2 • SELECT * FROM bd2_practica1.HABITACION;
3 • SELECT * FROM bd2_practica1.LOG_HABITACION;
4 • SELECT * FROM bd2_practica1.LOG_ACTIVIDAD;
```

The 'Result Grid' pane below shows the data for the first query (PACIENTE). The columns are idPaciente, edad, and genero. The data is as follows:

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	40	Femenino

The 'Output' pane at the bottom shows the execution log:

#	Time	Action	Message	Duration / Fetch
7	19:52:21	SELECT * FROM bd2_practica1.HABITACION LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
8	19:52:21	SELECT * FROM bd2_practica1.LOG_HABITACION LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
9	19:52:21	SELECT * FROM bd2_practica1.LOG_ACTIVIDAD LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.000 sec

MySQL Workbench

localhost > localhost (bd2_practica1) >

File Edit View Query Database Server Tools Scripting Help

Navigator: SCHEMAS Filter objects bookstore proyecto

Query 1:

```
1 • SELECT * FROM bd2_practica1.PACIENTE;
2 • SELECT * FROM bd2_practica1.HABITACION;
3 • SELECT * FROM bd2_practica1.LOG_HABITACION;
4 • SELECT * FROM bd2_practica1.LOG_ACTIVIDAD;
```

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 imágenes 1
6	Sala de procedimientos 1
7	Sala de procedimientos 2
8	Sala de recomendaciones 2

Information: PACIENTE 5 HABITACION 6 LOG_HABITACION 7 LOG_ACTIVIDAD 8

Action Output:

#	Time	Action	Message	Duration / Fetch
7	19:52:21	SELECT * FROM bd2_practica1.HABITACION LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
8	19:52:21	SELECT * FROM bd2_practica1.LOG_HABITACION LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
9	19:52:21	SELECT * FROM bd2_practica1.LOG_ACTIVIDAD LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

20°C Lluvia ligera Buscar 19:52 12/06/2024

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

MySQL Workbench

localhost > localhost (bd2_practica1) >

File Edit View Query Database Server Tools Scripting Help

Navigator: SCHEMAS Filter objects bookstore proyecto

Query 1:

```
1 • SELECT * FROM bd2_practica1.PACIENTE;
2 • SELECT * FROM bd2_practica1.HABITACION;
3 • SELECT * FROM bd2_practica1.LOG_HABITACION;
4 • SELECT * FROM bd2_practica1.LOG_ACTIVIDAD;
```

Result Grid:

timestamp	statusx	idhabitacion
HULL	HULL	HULL

Information: PACIENTE 5 HABITACION 6 LOG_HABITACION 7 LOG_ACTIVIDAD 8

Action Output:

#	Time	Action	Message	Duration / Fetch
7	19:52:21	SELECT * FROM bd2_practica1.HABITACION LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
8	19:52:21	SELECT * FROM bd2_practica1.LOG_HABITACION LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
9	19:52:21	SELECT * FROM bd2_practica1.LOG_ACTIVIDAD LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

20°C Lluvia ligera Buscar 19:52 12/06/2024

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

MySQL Workbench - localhost (bd2_practica1)

File Edit View Query Database Server Tools Scripting Help

Navigator: SCHEMAS Filter objects

Query 1:

```

1 •  SELECT * FROM bd2_practica1.PACIENTE;
2 •  SELECT * FROM bd2_practica1.HABITACION;
3 •  SELECT * FROM bd2_practica1.LOG_HABITACION;
4 •  SELECT * FROM bd2_practica1.LOG_ACTIVIDAD;
    
```

Result Grid:

	id	timestamp	actividad	paciente	habitacion
▶	20041	5/31/2021 7:12:14 AM	Paciente inicia el registro.	134247	10
	20042	5/31/2021 7:13:16 AM	Paciente recibe papelera en recepcion.	134247	10
	20043	5/31/2021 7:15:54 AM	Paciente entrega papelera.	134247	10
	20044	5/31/2021 7:16:33 AM	Recepcionista establece la condicion del paciente.	134247	10
	20045	5/31/2021 7:17:47 AM	Enfermera comienza la revision del paciente.	134247	10
	20046	5/31/2021 7:19:33 AM	Revision determino que el paciente es tipo 2 y s...	134247	10
	20047	5/31/2021 7:20:34 AM	Medico inicia con el tratamiento del paciente.	134247	10
	20048	5/31/2021 7:21:59 AM	Paciente inicia el registro.	134241	10

PACIENTE 5 HABITACION 6 LOG_HABITACION 7 LOG_ACTIVIDAD 8

Output:

#	Time	Action	Message	Duration / Fetch
7	19:52:21	SELECT * FROM bd2_practica1.HABITACION LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
8	19:52:21	SELECT * FROM bd2_practica1.LOG_HABITACION LIMIT 0, 1000	0 rows returned	0.000 sec / 0.000 sec
9	19:52:21	SELECT * FROM bd2_practica1.LOG_ACTIVIDAD LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Result Grid Form Editor Context Help Snippets

SELECT COUNT(*) FROM cada tabla

MySQL Workbench - localhost (bd2_practica1)

File Edit View Query Database Server Tools Scripting Help

Navigator: SCHEMAS Filter objects

Query 1:

```

1 •  SELECT
2      (SELECT COUNT(*) FROM bd2_practica1.PACIENTE) AS count_paciente,
3      (SELECT COUNT(*) FROM bd2_practica1.HABITACION) AS count_habitacion,
4      (SELECT COUNT(*) FROM bd2_practica1.LOG_HABITACION) AS count_log_habitacion,
5      (SELECT COUNT(*) FROM bd2_practica1.LOG_ACTIVIDAD) AS count_log_actividad;
    
```

Result Grid:

	count_paciente	count_habitacion	count_log_habitacion	count_log_actividad
▶	154184	15	0	33841

Output:

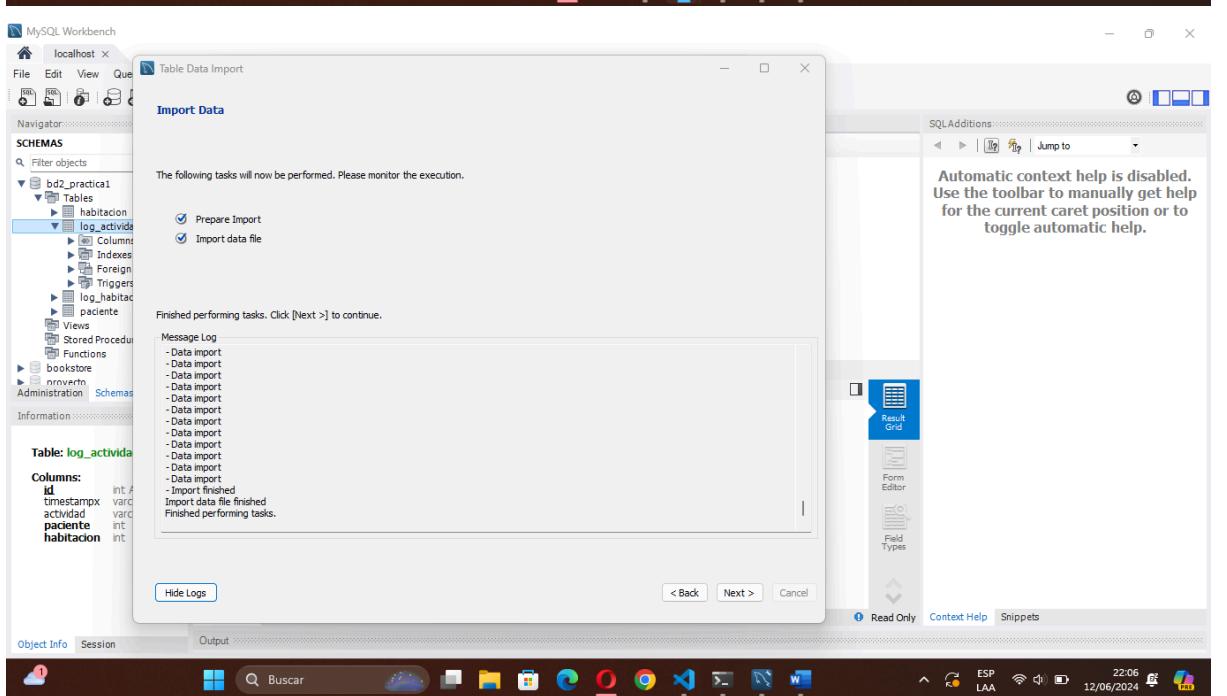
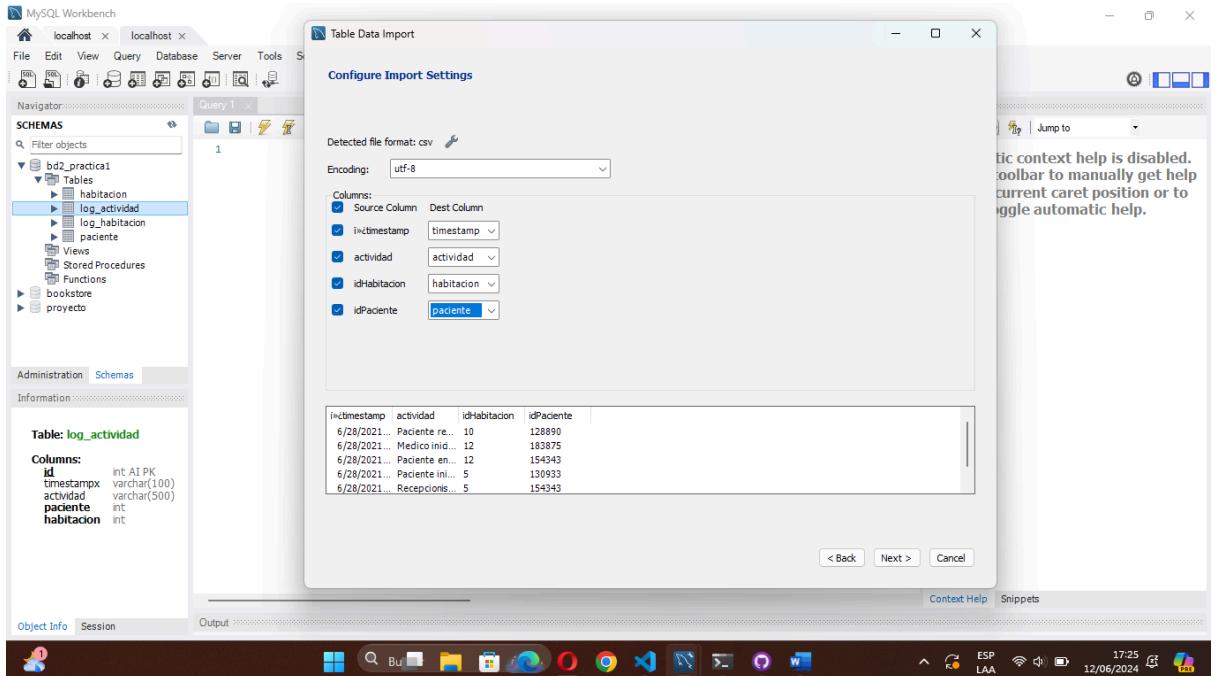
#	Time	Action	Message	Duration / Fetch
8	19:52:21	SELECT * FROM bd2_practica1.LOG_HABITACION LIMIT 0, 1000	0 rows returned	0.000 sec / 0.000 sec
9	19:52:21	SELECT * FROM bd2_practica1.LOG_ACTIVIDAD LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.000 sec
10	19:54:41	SELECT (SELECT COUNT(*) FROM bd2_practica1.PACIENTE) AS count_paciente, (...	1 row(s) returned	0.016 sec / 0.000 sec

Object Info Session

Result 9 Read Only Context Help Snippets

9. Actividad 4 (Creación de Backups ‘Log Actividades 2’):

Carga de datos Log Actividades 2: con ayuda de workbench.:



SELECT * FROM cada tabla

MySQL Workbench

localhost

File Edit View Query Database Server Tools Scripting Help

Navigator: Schemas

SCHEMAS: bd2_practical1

Tables: log_actividad

Columns:

id	timestampx	actividad	paciente	habitacion
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		
100012	62	Masculino		

PACIENTE 12 x HABITACION 13 LOG_ACTIVIDAD 14

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: | Fetch rows: | Result Grid | Form Editor | Field Types | Context Help | Snippets | Apply |

Output: 22:06 12/06/2024

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

MySQL Workbench

localhost

File Edit View Query Database Server Tools Scripting Help

Navigator: Schemas

SCHEMAS: bd2_practical1

Tables: log_actividad

Columns:

id	timestampx	actividad	paciente	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			

PACIENTE 12 x HABITACION 13 LOG_ACTIVIDAD 14

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: | Fetch rows: | Result Grid | Form Editor | Field Types | Context Help | Snippets | Apply |

Output: 22:07 12/06/2024

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

MySQL Workbench

localhost

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

bd2_practical1

Tables

habitacion

log_actividad

Columns

Indexes

Foreign Keys

Triggers

log_habitacion

paciente

Views

Stored Procedures

Functions

bookstore

norberto

Administration Schemas

Information

Table: log_actividad

Columns:

id	int AI PK
timestampx	varchar(100)
actividad	varchar(500)
paciente	int
habitacion	int

Result Grid

timestampx	statusx	idhabitacion
NULL	NULL	NULL

PACIENTE 12 HABITACION 13 LOG_HABITACION 14 LOG_ACTIVIDAD 15

Object Info Session

Output

Result Grid

Form Editor

Field Types

SQLAdditions

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

22:07 12/06/2024

MySQL Workbench

localhost

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

bd2_practical1

Tables

habitacion

log_actividad

Columns

Indexes

Foreign Keys

Triggers

log_habitacion

paciente

Views

Stored Procedures

Functions

bookstore

norberto

Administration Schemas

Information

Table: log_actividad

Columns:

id	int AI PK
timestampx	varchar(100)
actividad	varchar(500)
paciente	int
habitacion	int

Result Grid

timestampx	statusx	idhabitacion
NULL	NULL	NULL

PACIENTE 12 HABITACION 13 LOG_HABITACION 14 LOG_ACTIVIDAD 15

Object Info Session

Output

Result Grid

Form Editor

Field Types

SQLAdditions

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

22:07 12/06/2024

MySQL Workbench

localhost X

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

bd2_practica1

- Tables
 - habitacion
 - log_actividad
 - paciente
- bookstore
- privetro

Administration Schemas

Information

Table: log_actividad

Columns:

	id	timestampx	actividad	paciente	habitacion
1	20041	5/31/2021 7:12:14 AM	Paciente inicia el registro.	134247	10
2	20042	5/31/2021 7:13:16 AM	Paciente recibe papelera en recepcion.	134247	10
3	20043	5/31/2021 7:15:54 AM	Paciente entrega papelera.	134247	10
4	20044	5/31/2021 7:16:33 AM	Recepcionista establece la condicion del paciente...	134247	10
5	20045	5/31/2021 7:17:47 AM	Enfermera comienza la revision del paciente.	134247	10
6	20046	5/31/2021 7:19:33 AM	Revision determino que el paciente es tipo 2 y s...	134247	10
7	20047	5/31/2021 7:20:34 AM	Medico inicia con el tratamiento del paciente.	134247	10
8	20048	5/31/2021 7:21:50 AM	Paciente inicia el registro.	135641	10
9	20049	5/31/2021 7:23:01 AM	Paciente recibe papelera en recepcion.	135641	10
10	20050	5/31/2021 7:25:39 AM	Paciente inicia el registro.	180487	10
11	20051	5/31/2021 7:25:44 AM	Paciente entrega papelera.	135641	12
12	20052	5/31/2021 7:26:18 AM	Recepcionista establece la condicion del paciente...	135641	12
13	20053	5/31/2021 7:26:43 AM	Paciente recibe papelera en recepcion.	180487	5
14	PACIENTE 12	HABITACION 13	LOG_HABITACION 14	LOG_ACTIVIDAD 15	X

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows: | Result Grid | Form Editor | Field Types | Context Help | Snippets

Object Info Session Output

Buscar ESP LAA 22:07 12/06/2024

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

SELECT COUNT(*) FROM cada tabla

MySQL Workbench

localhost X

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

bd2_practica1

- Tables
 - habitacion
 - log_actividad
 - paciente
- bookstore
- privetro

Administration Schemas

Information

Table: log_actividad

Columns:

	id	timestampx	actividad	paciente	habitacion
1	20041	5/31/2021 7:12:14 AM	Paciente inicia el registro.	134247	10
2	20042	5/31/2021 7:13:16 AM	Paciente recibe papelera en recepcion.	134247	10
3	20043	5/31/2021 7:15:54 AM	Paciente entrega papelera.	134247	10
4	20044	5/31/2021 7:16:33 AM	Recepcionista establece la condicion del paciente...	134247	10
5	20045	5/31/2021 7:17:47 AM	Enfermera comienza la revision del paciente.	134247	10
6	20046	5/31/2021 7:19:33 AM	Revision determino que el paciente es tipo 2 y s...	134247	10
7	20047	5/31/2021 7:20:34 AM	Medico inicia con el tratamiento del paciente.	134247	10
8	20048	5/31/2021 7:21:50 AM	Paciente inicia el registro.	135641	10
9	20049	5/31/2021 7:23:01 AM	Paciente recibe papelera en recepcion.	135641	10
10	20050	5/31/2021 7:25:39 AM	Paciente inicia el registro.	180487	10
11	20051	5/31/2021 7:25:44 AM	Paciente entrega papelera.	135641	12
12	20052	5/31/2021 7:26:18 AM	Recepcionista establece la condicion del paciente...	135641	12
13	20053	5/31/2021 7:26:43 AM	Paciente recibe papelera en recepcion.	180487	5

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows: | Result Grid | Form Editor | Field Types | Context Help | Snippets

Object Info Session Output

Buscar ESP LAA 22:08 12/06/2024

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

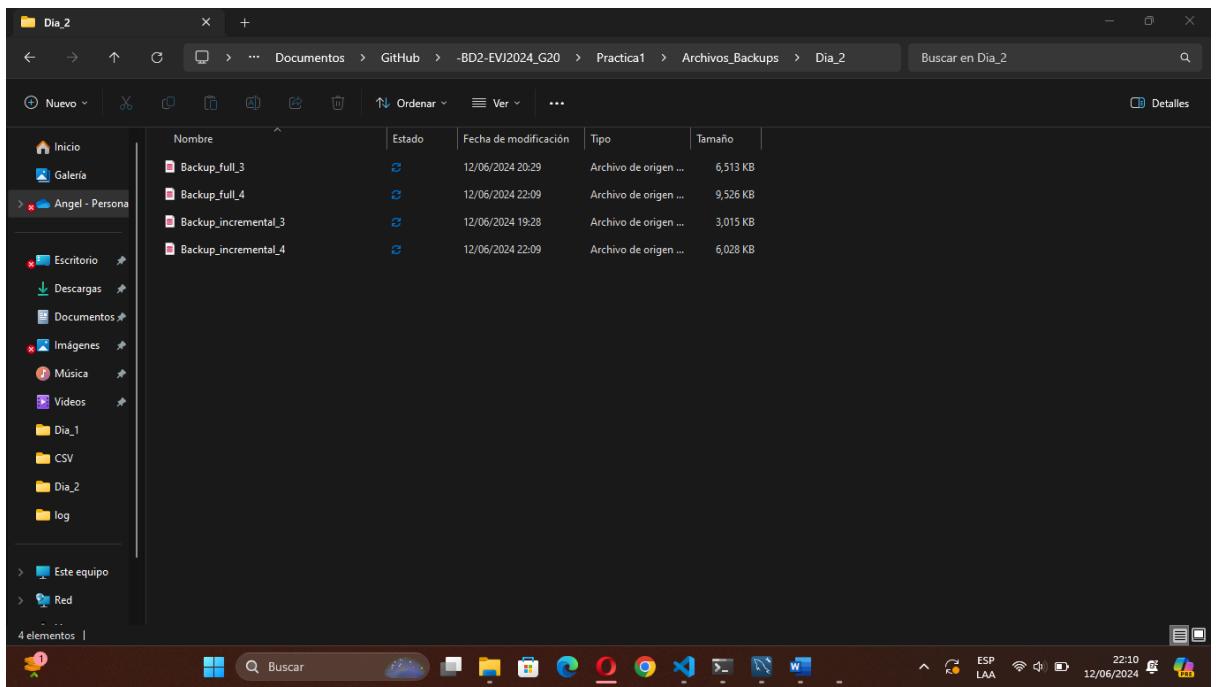
Creación de backup completo

```
C:\Users\angge>mysqldump -u root -p BD2_practical > C:\Users\angge\OneDrive\Documentos\GitHub\BD2-EVJ2024_G20\Practical\Archivos_Backups\Dia_2\Backup_full_4.sql
Enter password: *****
C:\Users\angge>
```

Creación de backup incremental

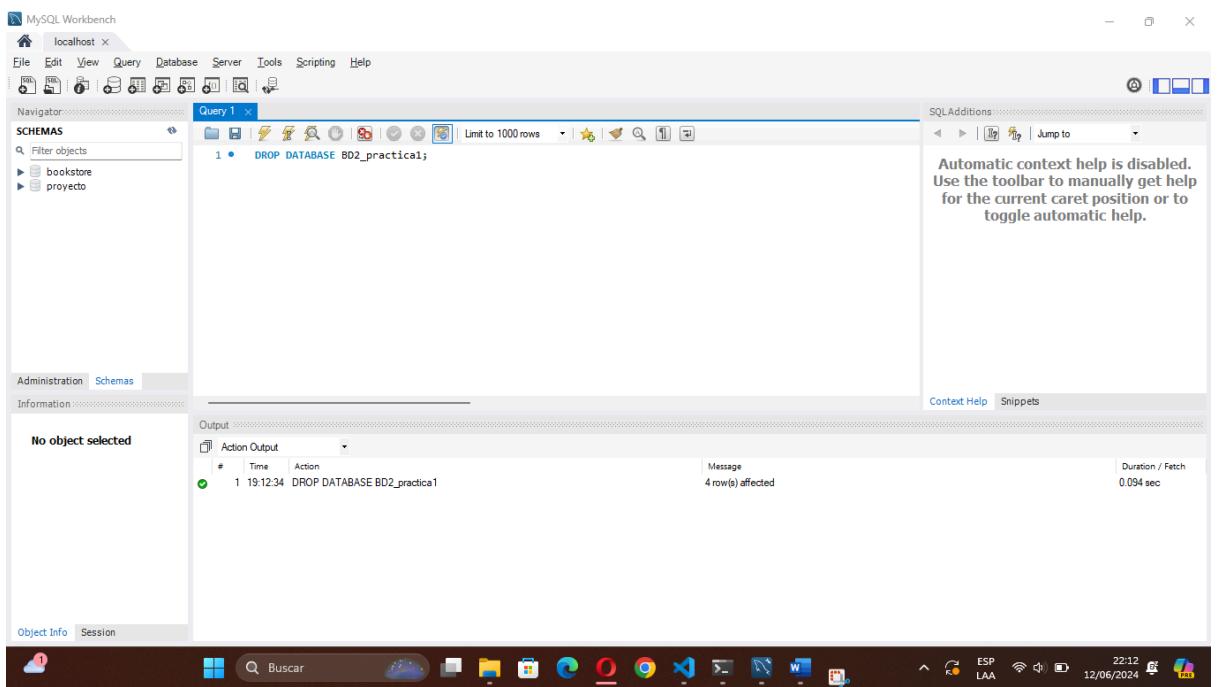
```
C:\Users\angge>mysqldump -u root -p BD2_practical LOG_ACTIVIDAD > C:\Users\angge\OneDrive\Documentos\GitHub\BD2-EVJ2024_G20\Practical\Archivos_Backups\Dia_2\Backup_incremental_4.sql
Enter password: *****
C:\Users\angge>
```

Backups creados



10. Actividad 9 (Restauración de Full backup ‘Log Actividades 2’):

Eliminación de datos



Restauración de full backup 4

```
C:\Símbolo del sistema > mysql -u root -p BD2_practical < C:\Users\angge\OneDrive\Documentos\GitHub\BD2-EVJ2024_G20\Practical\Archivos_Backups\Dia_2\Backup_full_4.sql
Enter password: *****
C:\Users\angge>
```

Tiempo de inicio: 19:16:46
Tiempo de finalización: 19:16:54
Duración: 8s

SELECT * FROM cada tabla

The screenshot shows the MySQL Workbench interface. In the top-left pane, the 'Schemas' section lists 'bookstore' and 'proyecto'. The main area contains a 'Query 1' tab with the following SQL code:

```
1 SELECT * FROM bd2_practical.PACIENTE;
2 SELECT * FROM bd2_practical.HABITACION;
3 SELECT * FROM bd2_practical.LOG_HABITACION;
4 SELECT * FROM bd2_practical.LOG_ACTIVIDAD;
```

Below the code, the 'Result Grid' shows the following data from the PACIENTE table:

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

The bottom pane displays the 'Output' window with the following log entries:

#	Time	Action	Message	Duration / Fetch
1	19:12:34	DROP DATABASE BD2_practical	4 row(s) affected	0.094 sec
2	19:15:05	create DATABASE BD2_practical	1 row(s) affected	0.047 sec
3	19:15:43	SELECT * FROM bd2_practical.PACIENTE LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.000 sec
4	19:15:43	SELECT * FROM bd2_practical.HABITACION LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
5	19:15:43	SELECT * FROM bd2_practical.LOG_HABITACION LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
6	19:15:43	SELECT * FROM bd2_practical.LOG_ACTIVIDAD LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.000 sec

MySQL Workbench

localhost

File Edit View Query Database Server Tools Scripting Help

Navigator: SCHEMAS Filter objects bookstore proyecto

Query 1

```
1 SELECT * FROM bd2_practica1.PACIENTE;
2 ● SELECT * FROM bd2_practica1.HABITACION;
3 ● SELECT * FROM bd2_practica1.LOG_HABITACION;
4 ● SELECT * FROM bd2_practica1.LOG_ACTIVIDAD;
```

Result Grid | Filter Rows: Edit: Export/Import: Wrap Cell Content: Result Grid Form Editor Context Help Snippets

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

PACIENTE 17 HABITACION 18 LOG_HABITACION 19 LOG_ACTIVIDAD 20

Action Output

#	Time	Action	Message	Duration / Fetch
1	19:12:34	DROP DATABASE BD2_practica1	4 row(s) affected	0.094 sec
2	19:15:05	create DATABASE BD2_practica1	1 row(s) affected	0.047 sec
3	19:15:43	SELECT * FROM bd2_practica1.PACIENTE LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.000 sec
4	19:15:43	SELECT * FROM bd2_practica1.HABITACION LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
5	19:15:43	SELECT * FROM bd2_practica1.LOG_HABITACION LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
6	19:15:43	SELECT * FROM bd2_practica1.LOG_ACTIVIDAD LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

MySQL Workbench

localhost

File Edit View Query Database Server Tools Scripting Help

Navigator: SCHEMAS Filter objects bookstore proyecto

Query 1

```
1 SELECT * FROM bd2_practica1.PACIENTE;
2 ● SELECT * FROM bd2_practica1.HABITACION;
3 ● SELECT * FROM bd2_practica1.LOG_HABITACION;
4 ● SELECT * FROM bd2_practica1.LOG_ACTIVIDAD;
```

Result Grid | Filter Rows: Edit: Export/Import: Wrap Cell Content: Result Grid Form Editor Context Help Snippets

timestampx	statusx	idhabitacion
NULL	NULL	NULL

PACIENTE 17 HABITACION 18 LOG_HABITACION 19 LOG_ACTIVIDAD 20

Action Output

#	Time	Action	Message	Duration / Fetch
1	19:12:34	DROP DATABASE BD2_practica1	4 row(s) affected	0.094 sec
2	19:15:05	create DATABASE BD2_practica1	1 row(s) affected	0.047 sec
3	19:15:43	SELECT * FROM bd2_practica1.PACIENTE LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.000 sec
4	19:15:43	SELECT * FROM bd2_practica1.HABITACION LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
5	19:15:43	SELECT * FROM bd2_practica1.LOG_HABITACION LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
6	19:15:43	SELECT * FROM bd2_practica1.LOG_ACTIVIDAD LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

MySQL Workbench

localhost

File Edit View Query Database Server Tools Scripting Help

Navigator: SCHEMAS Filter objects bookstore proyecto

Query 1

```
1 SELECT * FROM bd2_practica1.PACIENTE;
2 ● SELECT * FROM bd2_practica1.HABITACION;
3 ● SELECT * FROM bd2_practica1.LOG_HABITACION;
4 ● SELECT * FROM bd2_practica1.LOG_ACTIVIDAD;
```

Result Grid | Filter Rows: Edit: Export/Import: Wrap Cell Content: Result Grid Form Editor Context Help Snippets

timestampx	statusx	idhabitacion
NULL	NULL	NULL

PACIENTE 17 HABITACION 18 LOG_HABITACION 19 LOG_ACTIVIDAD 20

Action Output

#	Time	Action	Message	Duration / Fetch
1	19:12:34	DROP DATABASE BD2_practica1	4 row(s) affected	0.094 sec
2	19:15:05	create DATABASE BD2_practica1	1 row(s) affected	0.047 sec
3	19:15:43	SELECT * FROM bd2_practica1.PACIENTE LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.000 sec
4	19:15:43	SELECT * FROM bd2_practica1.HABITACION LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
5	19:15:43	SELECT * FROM bd2_practica1.LOG_HABITACION LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
6	19:15:43	SELECT * FROM bd2_practica1.LOG_ACTIVIDAD LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

MySQL Workbench

localhost

File Edit View Query Database Server Tools Scripting Help

Navigator: SCHEMAS Filter objects bookstore proyecto

Query 1:

```

1 • SELECT * FROM bd2_practica1.PACIENTE;
2 • SELECT * FROM bd2_practica1.HABITACION;
3 • SELECT * FROM bd2_practica1.LOG_HABITACION;
4 • SELECT * FROM bd2_practica1.LOG_ACTIVIDAD;

```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: | Fetch rows: | Result Grid | Form Editor | Context Help | Snippets

	timestamp	actividad	paciente	habitacion	
▶	20041	5/31/2021 7:12:14 AM	Paciente inicia el registro.	134247	10
▶	20042	5/31/2021 7:13:16 AM	Paciente recibe papelera en recepcion.	134247	10
▶	20043	5/31/2021 7:15:54 AM	Paciente entrega papelera.	134247	10
▶	20044	5/31/2021 7:16:33 AM	Recepcionista establece la condicion del paciente...	134247	10
▶	20045	5/31/2021 7:17:47 AM	Enfermera comienza la revision del paciente...	134247	10
▶	20046	5/31/2021 7:19:33 AM	Revision determino que el paciente es tipo 2 v s...	134247	10
PACIENTE 17	HABITACION 18	LOG_HABITACION 19	LOG_ACTIVIDAD 20	x	

Output:

#	Time	Action	Message	Duration / Fetch
1	19:12:34	DROP DATABASE BD2_practica1	4 row(s) affected	0.094 sec
2	19:15:05	create DATABASE BD2_practica1	1 row(s) affected	0.047 sec
3	19:15:43	SELECT * FROM bd2_practica1.PACIENTE LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.000 sec
4	19:15:43	SELECT * FROM bd2_practica1.HABITACION LIMIT 0, 1000	15 row(s) returned	0.000 sec / 0.000 sec
5	19:15:43	SELECT * FROM bd2_practica1.LOG_HABITACION LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
6	19:15:43	SELECT * FROM bd2_practica1.LOG_ACTIVIDAD LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.000 sec

Object Info | Session

Windows Taskbar: Buscar, ESP LAA, 22:16, 12/06/2024

SELECT COUNT(*) FROM cada tabla.

MySQL Workbench

localhost

File Edit View Query Database Server Tools Scripting Help

Navigator: SCHEMAS Filter objects bookstore proyecto

Query 1:

```

1 • SELECT
2   (SELECT COUNT(*) FROM bd2_practica1.PACIENTE) AS count_paciente,
3   (SELECT COUNT(*) FROM bd2_practica1.HABITACION) AS count_habitacion,
4   (SELECT COUNT(*) FROM bd2_practica1.LOG_HABITACION) AS count_log_habitacion,
5   (SELECT COUNT(*) FROM bd2_practica1.LOG_ACTIVIDAD) AS count_log_actividad;

```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Result Grid | Form Editor | Context Help | Snippets

count_paciente	count_habitacion	count_log_habitacion	count_log_actividad
154184	15	0	67684

Output:

#	Time	Action	Message	Duration / Fetch
1	19:16:45	SELECT (SELECT COUNT(*) FROM bd2_practica1.PACIENTE) AS count_paciente, (SE... 1 row(s) returned	1 row(s) returned	0.015 sec / 0.000 sec

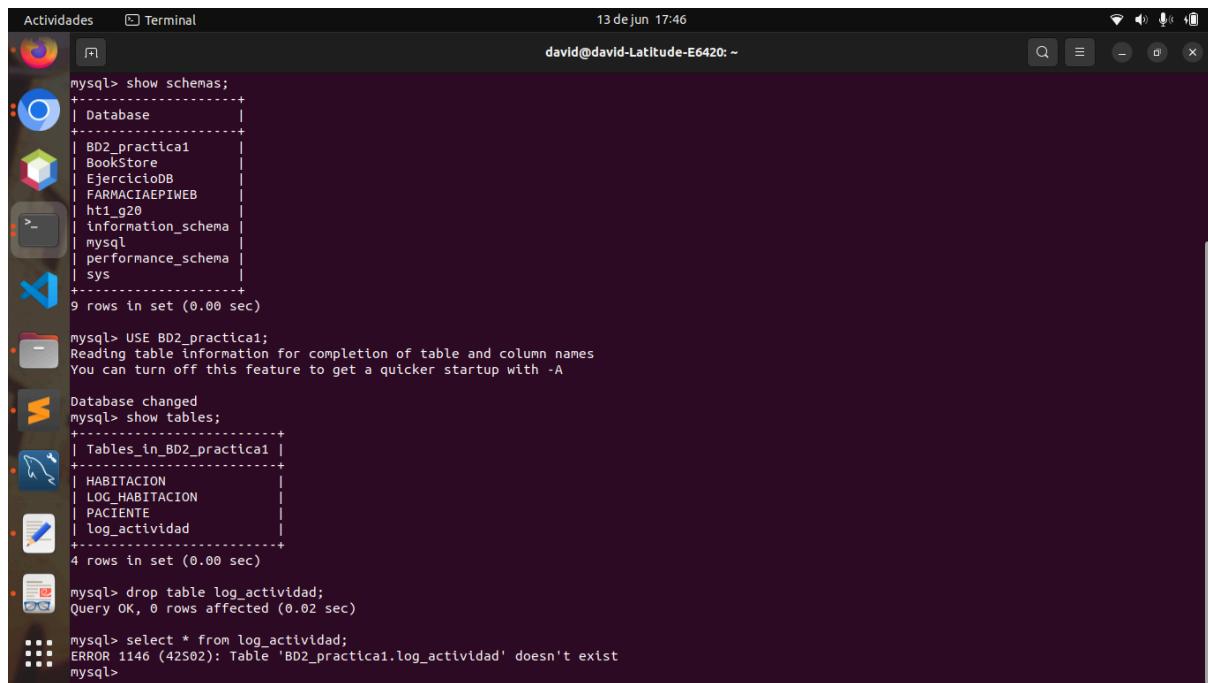
Object Info | Session

Windows Taskbar: Buscar, ESP LAA, 22:16, 12/06/2024

Dia 3 (13 de junio 2024)

11. Actividad 13

Eliminar y verificar que no hay datos en log_actividades:



A screenshot of a Linux desktop environment showing a terminal window. The terminal window title is "Terminal" and the date and time are "13 de jun 17:46". The user is "david@david-Latitude-E6420: ~". The terminal content shows the following MySQL session:

```
mysql> show schemas;
+-----+
| Database |
+-----+
| BD2_practica1 |
| BookStore |
| EjercicioDB |
| FARMACIAEPIWEB |
| ht1_g20 |
| information_schema |
| mysql |
| performance_schema |
| sys |
+-----+
9 rows in set (0.00 sec)

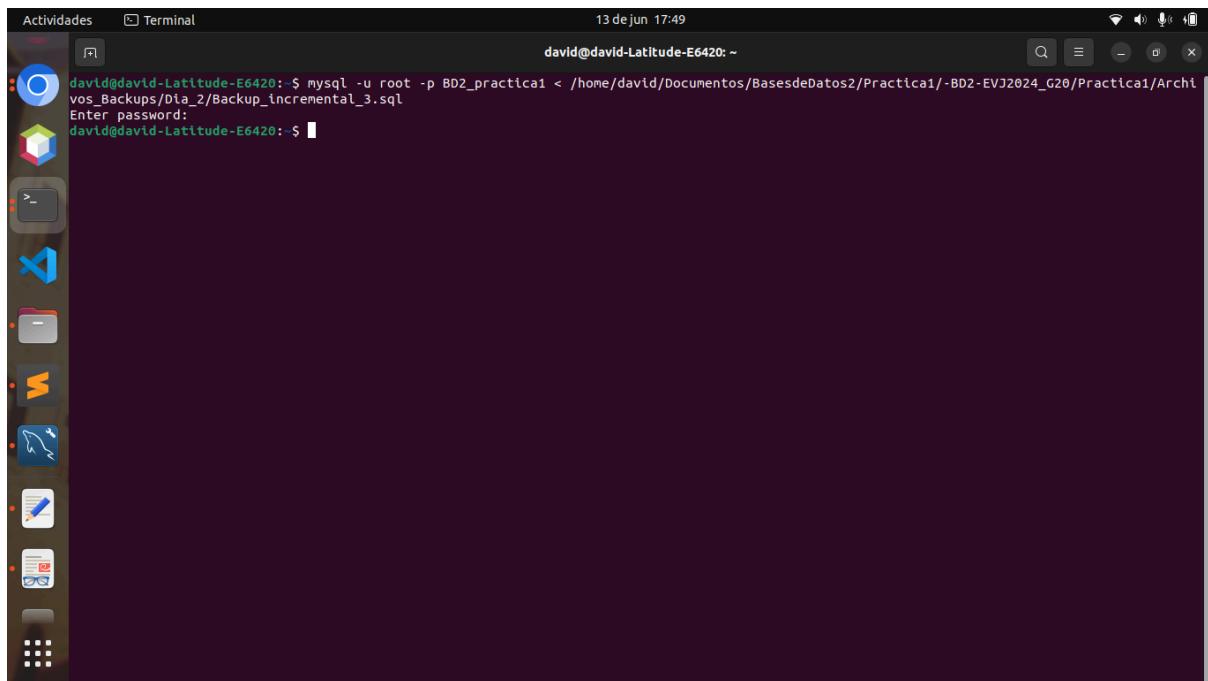
mysql> USE BD2_practica1;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
mysql> show tables;
+-----+
| Tables_in_BD2_practica1 |
+-----+
| HABITACION |
| LOG_HABITACION |
| PACIENTE |
| log_actividad |
+-----+
4 rows in set (0.00 sec)

mysql> drop table log_actividad;
Query OK, 0 rows affected (0.02 sec)

mysql> select * from log_actividad;
ERROR 1146 (42S02): Table 'BD2_practica1.log_actividad' doesn't exist
mysql>
```

Restauración de Backup incremental 3



A screenshot of a Linux desktop environment showing a terminal window. The terminal window title is "Terminal" and the date and time are "13 de jun 17:49". The user is "david@david-Latitude-E6420: ~". The terminal content shows the following MySQL command:

```
david@david-Latitude-E6420: $ mysql -u root -p BD2_practica1 < /home/david/Documentos/BasesdeDatos2/Practica1/-BD2-EVJ2024_G20/Practica1/Archivos_Backups/Dia_2/Backup_Incremental_3.sql
Enter password:
```

Tiempo de Restauración: 17:49:12.12 a 17:49:13.91

Duración: 1.79s

SELECT * FROM a cada tabla:

The screenshot shows the MySQL Workbench interface with the title bar "Actividades MySQL Workbench" and the date "13 de jun 18:07". The left sidebar shows the schema "BD2_practica1" with tables HABITACION, log_actividad, LOG_HABITACION, PACIENTE, and LOG_HABITACION. The main window displays a query results grid for the "log_actividad" table. The columns are #, id, timestampx, actividad, paciente, and habitacion. The data shows various patient activities and their corresponding timestamps and locations.

#	id	timestampx	actividad	paciente	habitacion
1	20041	5/31/2021 7:12:14 AM	Paciente inicia el registro.	134247	10
2	20042	5/31/2021 7:13:16 AM	Paciente recibe papeleria en recepcion.	134247	10
3	20043	5/31/2021 7:15:54 AM	Paciente entrega papeleria.	134247	10
4	20044	5/31/2021 7:16:33 AM	Recepcionista establece la condicion...	134247	10
5	20045	5/31/2021 7:17:47 AM	Enfermera comienza la revision del...	134247	10
6	20046	5/31/2021 7:19:33 AM	Revision determino que el paciente ...	134247	10
7	20047	5/31/2021 7:20:34 AM	Medico inicia con el tratamiento del ...	134247	10
8	20048	5/31/2021 7:21:50 AM	Paciente inicia el registro.	135641	10
9	20049	5/31/2021 7:23:01 AM	Paciente recibe papeleria en recepcion.	135641	10
10	20050	5/31/2021 7:25:39 AM	Paciente inicia el registro.	180487	10
11	20051	5/31/2021 7:25:44 AM	Paciente entrega papeleria.	135641	12
12	20052	5/31/2021 7:26:18 AM	Recepcionista establece la condicion...	135641	12
13	20053	5/31/2021 7:26:41 AM	Paciente recibe papeleria en recepcion.	180487	5

The screenshot shows the MySQL Workbench interface with the title bar "Actividades MySQL Workbench" and the date "13 de jun 18:10". The left sidebar shows the schema "BD2_practica1" with tables HABITACION, log_actividad, LOG_HABITACION, PACIENTE, and LOG_HABITACION. The main window displays a query results grid for the "HABITACION" table. The columns are #, idHabitacion and habitacion. The data lists various room names and their corresponding IDs.

#	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 3
8		46
9		Estación de revisión 3
10		Estación de revisión 4
11	149397	28
12	177442	Sala de procedimientos 2
13	188125	Baremo

Actividades MySQL Workbench 13 de jun 18:19

MySQL Workbench Local instance 3306

File Edit View Query Database Server Tools Scripting Help

Schemas

BD2_practica1

Tables

- HABITACION
- log_actividad
- LOG_HABITACION
- PACIENTE

Views

Stored Procedures

- Functions
- BookStore
- EjercicioDB
- FARMACIAEPIWEB
- ht1_g20
- sys

Object Info Session

PACIENTE 9

Query 1

```
1 • use `BD2_practica1`;
2 • Select * from log_actividad;
3 • select * from HABITACION;
4 • select * from PACIENTE;
5 • select * from LOG_HABITACION;
```

Result grid Filter Rows Export/Import Wrap Cell Content Fetch rows Result Grid Form Editor Field Types Query Stats

#	idPaciente	edad	genero
1	100000	95	Otro
2	100001	40	Femenino
3	100002	42	Masculino
4	100003	8	Femenino
5	100004	88	Masculino
6	100005	23	Masculino
7	100006	60	Femenino
8	100007	49	Femenino
9	100008	44	Femenino
10	100009	55	Femenino
11	100010	28	Femenino
12	100011	13	Femenino
13	100012	62	Masculino

Export recordset to an external file

Apply Revert

Query Completed

Actividades MySQL Workbench 13 de jun 18:08

MySQL Workbench Local instance 3306

File Edit View Query Database Server Tools Scripting Help

Schemas

BD2_practica1

Tables

- HABITACION
- log_actividad
- LOG_HABITACION
- PACIENTE

Views

Stored Procedures

- Functions
- BookStore
- EjercicioDB
- FARMACIAEPIWEB
- ht1_g20
- sys

Object Info Session

LOG_HABITACION 7

Query 1

```
1 • use `BD2_practica1`;
2 • Select * from log_actividad;
3 • select * from HABITACION;
4 • select * from PACIENTE;
5 • select * from LOG_HABITACION;
```

Result grid Filter Rows Export/Import Wrap Cell Content Fetch rows Result Grid Form Editor Field Types Query Stats

#	timestamp	statusx	idHabitacion
1	HULL	HULL	HULL

Apply Revert

Query Completed

SELECT COUNT(*) FROM

```
Actividades Terminal 13 de jun 18:20 david@david-Latitude-E6420: ~
| PACIENTE      |
| log_actividad |
+-----+
5 rows in set (0.01 sec)

mysql> select COUNT(*) FROM HABITACION;
+-----+
| COUNT(*) |
+-----+
|      15   |
+-----+
1 row in set (0.01 sec)

mysql> select COUNT(*) FROM LOG_HABITACION;
+-----+
| COUNT(*) |
+-----+
|       0   |
+-----+
1 row in set (0.00 sec)

mysql> select COUNT(*) FROM log_actividad;
+-----+
| COUNT(*) |
+-----+
|  33841   |
+-----+
1 row in set (0.01 sec)

mysql> select COUNT(*) FROM PACIENTE;
+-----+
| COUNT(*) |
+-----+
| 154184   |
+-----+
1 row in set (0.01 sec)

mysql> 
```

12. Actividad 14

Eliminar y verificar que no hay datos en log_actividades:

```
Actividades Terminal 13 de jun 18:27 david@david-Latitude-E6420: ~
mysql> show schemas;
+-----+
| Database      |
+-----+
| BD2_practica1 |
| BookStore     |
| EjercicioDB   |
| FARMACIAAEPIWEB |
| hti_g20        |
| information_schema |
| mysql          |
| performance_schema |
| sys            |
+-----+
9 rows in set (0.00 sec)

mysql> use BD2_practica1;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
mysql> show tables;
+-----+
| Tables_in_BD2_practica1 |
+-----+
| HABITACION    |
| LOG_HABITACION |
| PACIENTE      |
| log_actividad  |
+-----+
4 rows in set (0.00 sec)

mysql> drop table log_actividad;
Query OK, 0 rows affected (0.02 sec)

mysql> select * from log_actividad;
ERROR 1146 (42S02): Table 'BD2_practica1.log_actividad' doesn't exist
mysql> 
```

Restauración de backup incremental 4

```
david@david-Latitude-E6420: ~$ mysql -u root -p BD2_practica1 < /home/david/Documentos/BasesdeDatos2/Practica1/-BD2-EVJ2024_G20/Practica1/Archivos_Backups/Dia_2/Backup_Incremental_4.sql
Enter password:
david@david-Latitude-E6420: $
```

Tiempo de Restauración: 18:31:41.02 a 18:31:44.42

Duración: 3.40s

SELECT * FROM cada tabla

MySQL Workbench

Local instance 3306

File Edit View Query Database Server Tools Scripting Help

SCHEMAS

BD2_practica1

Tables

HABITACION log_actividad LOG_HABITACION PACIENTE

Views

Stored Procedures

Functions

BookStore EjercicioDB FARMACIAEPIWEB ht1_g20 sys

Query 1

```
1 • use `BD2_practica1`;
2 • Select * from log_actividad;
3 • select * from HABITACION;
4 • select * from PACIENTE;
5 • select * from LOG_HABITACION;
```

Result Grid

#	id	timestamppx	actividad	paciente	habitacion
990	21030	5/31/2021 7:16:37 PM	Paciente completa su tratamiento.	238673	1
991	21031	5/31/2021 7:19:22 PM	Paciente completa su registro.	230284	10
992	21032	5/31/2021 7:19:22 PM	Paciente entrega papeleria.	253182	10
993	21033	5/31/2021 7:19:53 PM	Recepcionista establece la condic... o	253182	10
994	21034	5/31/2021 7:19:53 PM	Paciente inicia el registro.	186552	10
995	21035	5/31/2021 7:20:14 PM	Paciente completa su registro.	142721	10
996	21036	5/31/2021 7:20:14 PM	Paciente inicia su egreso.	238673	10
997	21037	5/31/2021 7:20:51 PM	Paciente recibe papeleria en recep...	186552	3
998	21038	5/31/2021 7:22:20 PM	Enfermera comienza la revision del...	176911	3
999	21039	5/31/2021 7:23:07 PM	Paciente entrega papeleria.	186552	3
1000	21040	5/31/2021 7:23:18 PM	Enfermera comienza la revision del...	253182	3

Object Info Session

log_actividad 10

Query Completed

Actividades MySQL Workbench 13 de jun 18:34

Local instance 3306 MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Schemas Schemas

BD2_practica1 Tables

HABITACION log_actividad LOG_HABITACION PACIENTE Views Stored Procedures Functions BookStore EjercicioDB FARMACIAEPIWEB ht1_g20 sys

Object Info Session

Query 1

```
1 • use `BD2_practical`;
2 • Select * from log_actividad;
3 • select * from HABITACION;
4 • select * from PACIENTE;
5 • select * from LOG_HABITACION;
```

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

HABITACION 11

#	idHabitacion	habitacion
1	1	Sala de exámenes 1
2	2	Sala de exámenes 2
3	3	Sala de exámenes 3
4	4	Sala de exámenes 4
5	5	Sala de imágenes 1
6	6	Sala de procedimientos 1
7	8	Sala de procedimientos 3
8	9	46
9	14	Estación de revisión 3
10	15	Estación de revisión 4
11	149397	28
12	177442	Sala de procedimientos 2
13	186165	Reservación

Query Completed

Actividades MySQL Workbench 13 de jun 18:35

Local instance 3306 MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Schemas Schemas

BD2_practica1 Tables

HABITACION log_actividad LOG_HABITACION PACIENTE Views Stored Procedures Functions BookStore EjercicioDB FARMACIAEPIWEB ht1_g20 sys

Object Info Session

Query 1

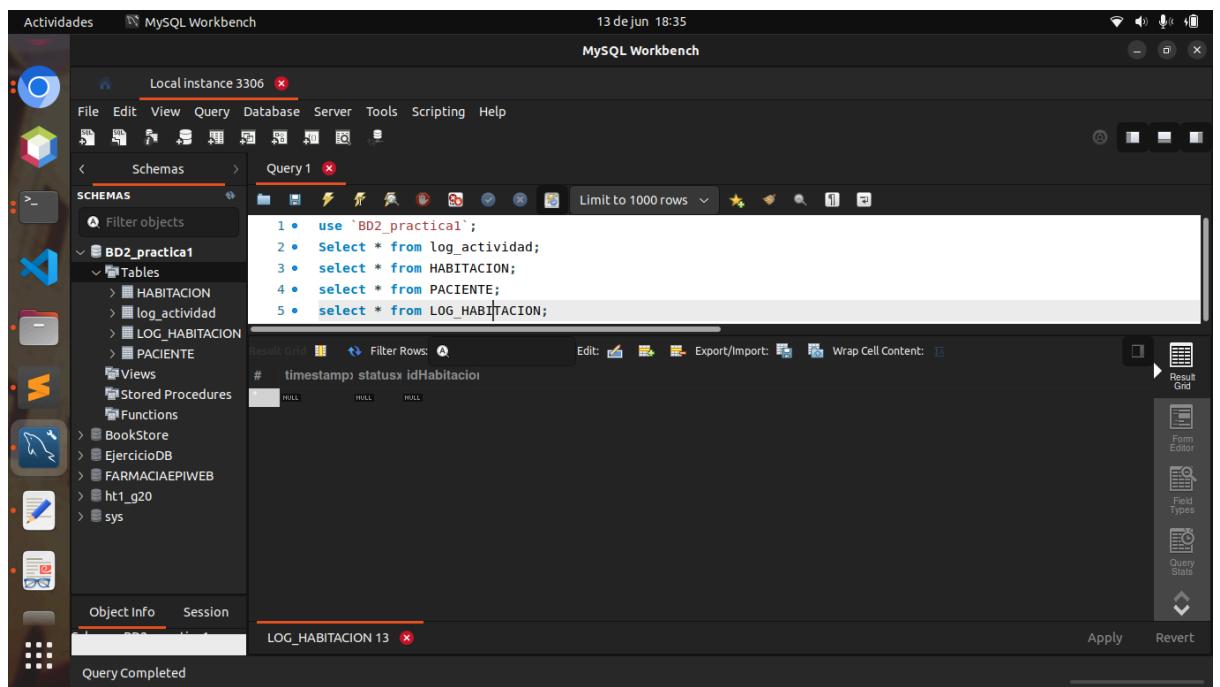
```
1 • use `BD2_practical`;
2 • Select * from log_actividad;
3 • select * from HABITACION;
4 • select * from PACIENTE;
5 • select * from LOG_HABITACION;
```

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

PACIENTE 12

#	idPaciente	edad	genero
1	100000	95	Otro
2	100001	40	Femenino
3	100002	42	Masculino
4	100003	8	Femenino
5	100004	88	Masculino
6	100005	23	Masculino
7	100006	60	Femenino
8	100007	49	Femenino
9	100008	44	Femenino
10	100009	55	Femenino
11	100010	28	Femenino
12	100011	13	Femenino
13	100012	62	Masculino

Query Completed



SELECT COUNT(*) FROM cada tabla

```
Actividades Terminal 13 de jun 18:36
david@david-Latitude-E6420: ~
mysql> drop table log_actividad;
Query OK, 0 rows affected (0.02 sec)

mysql> select * from log_actividad;
ERROR 1146 (42S02): Table 'BD2_practica1.log_actividad' doesn't exist
mysql> select COUNT(*) FROM HABITACION;
+-----+
| COUNT(*) |
+-----+
|      15   |
+-----+
1 row in set (0.00 sec)

mysql> select COUNT(*) FROM PACIENTE;
+-----+
| COUNT(*) |
+-----+
| 154184   |
+-----+
1 row in set (0.01 sec)

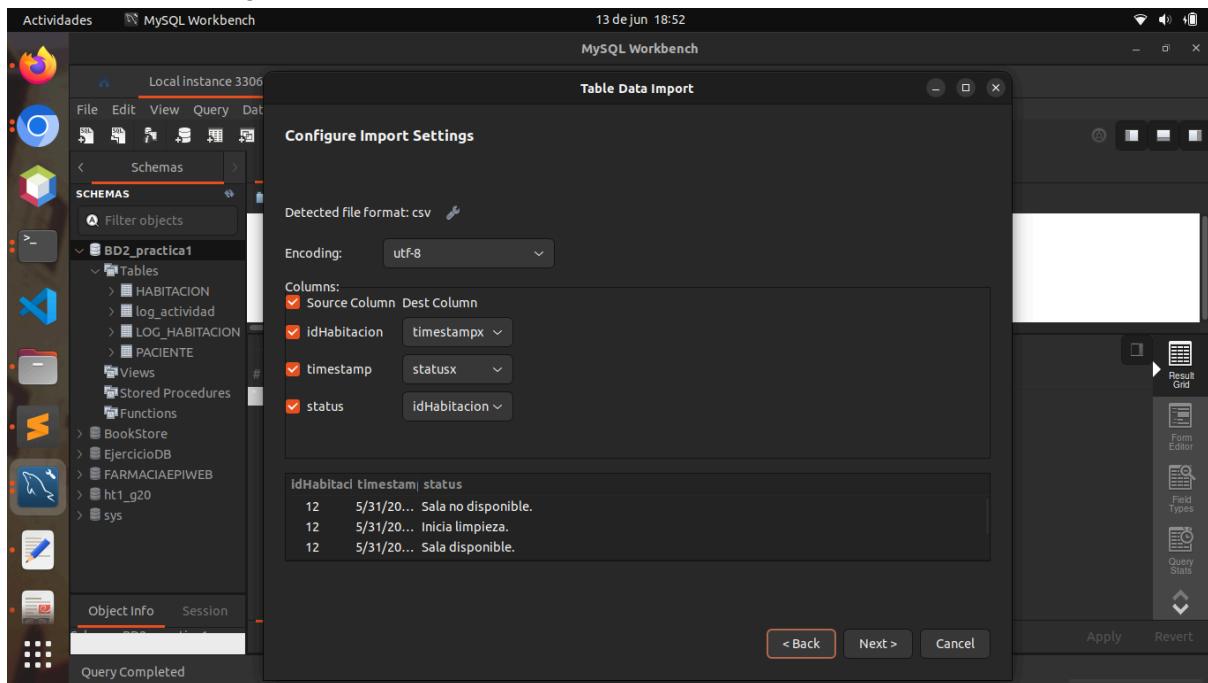
mysql> select COUNT(*) FROM LOG_HABITACION;
+-----+
| COUNT(*) |
+-----+
|       0   |
+-----+
1 row in set (0.00 sec)

mysql> select COUNT(*) FROM log_actividad;
+-----+
| COUNT(*) |
+-----+
|    67684  |
+-----+
1 row in set (0.02 sec)

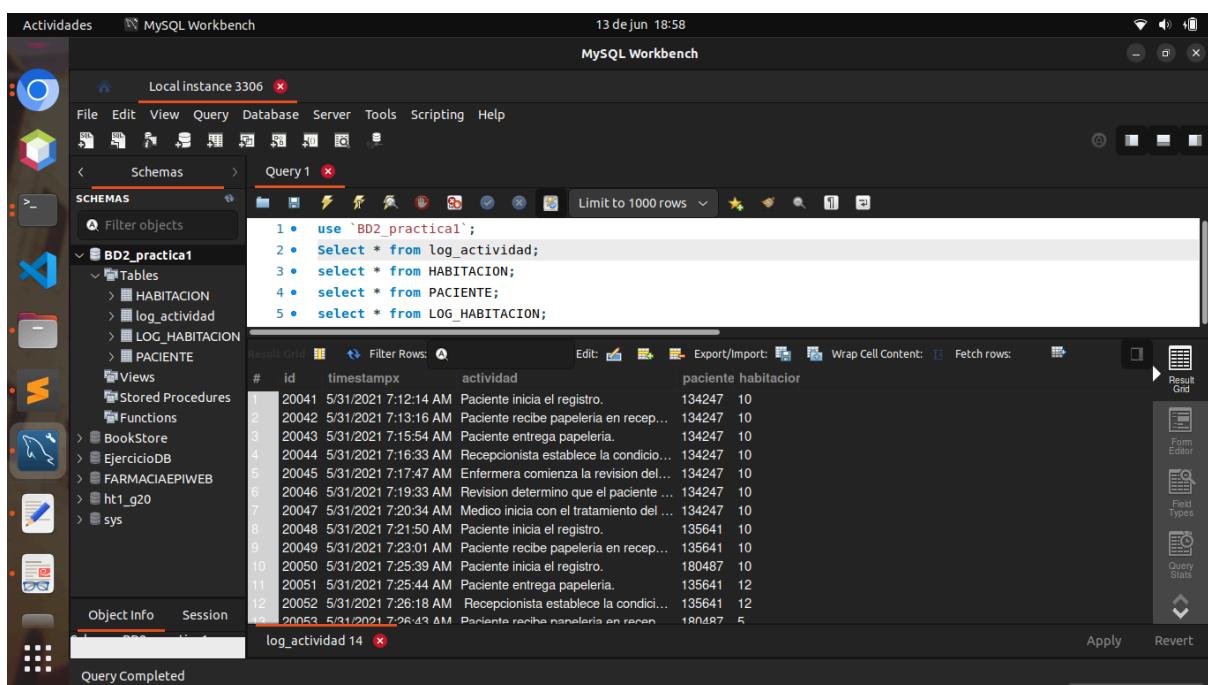
mysql>
```

13. Actividad 5 (Datos de la tabla LogHabitaciones)

Carga de datos



SELECT * FROM cada tabla



Actividades MySQL Workbench 13 de jun 18:58 MySQL Workbench

Local instance 3306

File Edit View Query Database Server Tools Scripting Help

Schemas

Query 1

```
1 • use `BD2_practical`;
2 • Select * from log_actividad;
3 • select * from HABITACION;
4 • select * from PACIENTE;
5 • select * from LOG_HABITACION;
```

Result grid Filter Rows Edit: Export/Import: Wrap Cell Content: Result Grid Form Editor Field Types Query Stats

#	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 3
8		46
9		Estación de revisión 3
10		Estación de revisión 4
11	149397	28
12	177442	Sala de procedimientos 2
13	188185	Recepción

HABITACION 15

Object Info Session Apply Revert

Query Completed

Actividades MySQL Workbench 13 de jun 18:58 MySQL Workbench

Local instance 3306

File Edit View Query Database Server Tools Scripting Help

Schemas

Query 1

```
1 • use `BD2_practical`;
2 • Select * from log_actividad;
3 • select * from HABITACION;
4 • select * from PACIENTE;
5 • select * from LOG_HABITACION;
```

Result grid Filter Rows Edit: Export/Import: Wrap Cell Content: Fetch rows: Result Grid Form Editor Field Types Query Stats

#	idPaciente	edad	genero
1	100000	95	Otro
2	100001	40	Femenino
3	100002	42	Masculino
4	100003	8	Femenino
5	100004	88	Masculino
6	100005	23	Masculino
7	100006	60	Femenino
8	100007	49	Femenino
9	100008	44	Femenino
10	100009	55	Femenino
11	100010	28	Femenino
12	100011	13	Femenino
13	100012	62	Masculino

PACIENTE 16

Object Info Session Apply Revert

Query Completed

The screenshot shows the MySQL Workbench interface. On the left, the Schemas tree displays the database structure with the schema 'BD2_practica1' selected. The 'Tables' node under it contains 'HABITACION', 'log_actividad', 'LogHabitacion', and 'PACIENTE'. The 'Views' node contains 'ht1_g20'. The 'Stored Procedures' node contains 'BookStore' and 'EjercicioDB'. The 'Functions' node contains 'FARMACIAEPIWEB'. The 'sys' node is also listed. A query window titled 'Query 1' is open, containing the following SQL code:

```
1 • use `BD2_practica1`;
2 • Select * from log_actividad;
3 • select * from HABITACION;
4 • select * from PACIENTE;
5 • select * from LogHabitacion;
```

The results grid shows the output of the 'LogHabitacion' table, which has columns '#', 'idHabitacion', 'timestamp', and 'status'. The data includes various timestamps and status messages like 'Sala no disponible.' and 'Inicia limpieza.'. A message at the bottom of the results grid says 'LogHabitacion 20'.

SELECT COUNT(*) FROM cada tabla

The screenshot shows a terminal window with a dark theme. The user is connected to the MySQL database as 'david@david-Latitude-E6420: ~'. The session history shows the following commands:

```
mysql> DROP TABLE LOG_HABITACION;
Query OK, 0 rows affected (0.03 sec)

mysql> select COUNT(*) FROM HABITACION;
+-----+
| COUNT(*) |
+-----+
|      15 |
+-----+
1 row in set (0.00 sec)

mysql> select COUNT(*) FROM PACIENTE;
+-----+
| COUNT(*) |
+-----+
|  154184 |
+-----+
1 row in set (0.01 sec)

mysql> select COUNT(*) FROM log_actividad;
+-----+
| COUNT(*) |
+-----+
|     67684 |
+-----+
1 row in set (0.01 sec)

mysql> select COUNT(*) FROM LogHabitacion;
+-----+
| COUNT(*) |
+-----+
|    34617 |
+-----+
1 row in set (0.01 sec)

mysql> 
```

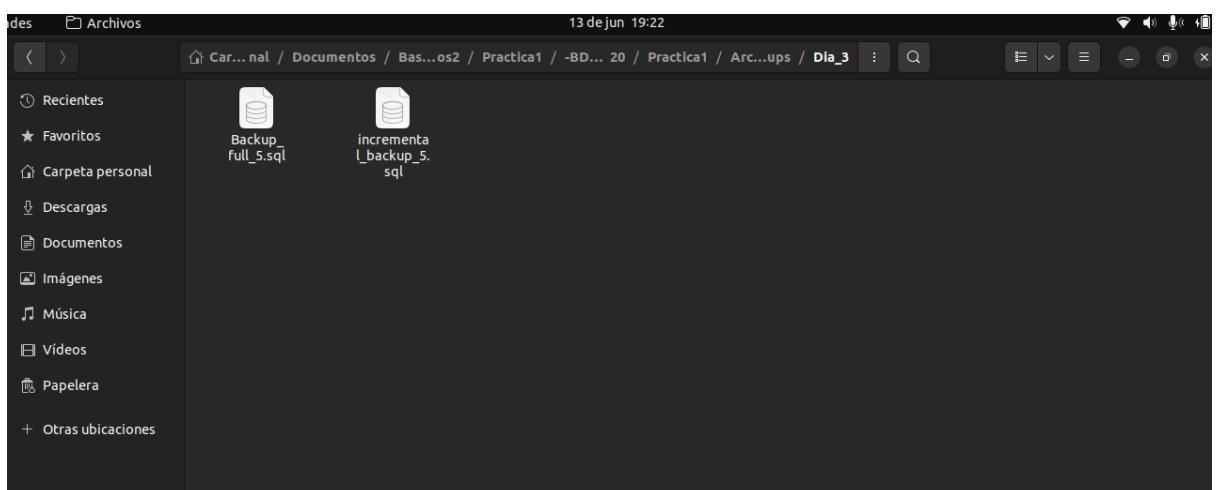
Creación de backup completo

```
david@david-Latitude-E6420: $ mysqldump -u root -p BD2_practica1 > /home/david/Documentos/BasesdeDatos2/Practica1/-BD2-EVJ2024_G20/Practica1/Archivos_Backups/Dia_3/Backup_full_5.sql
Enter password:
david@david-Latitude-E6420: $
```

Creación de backup incremental

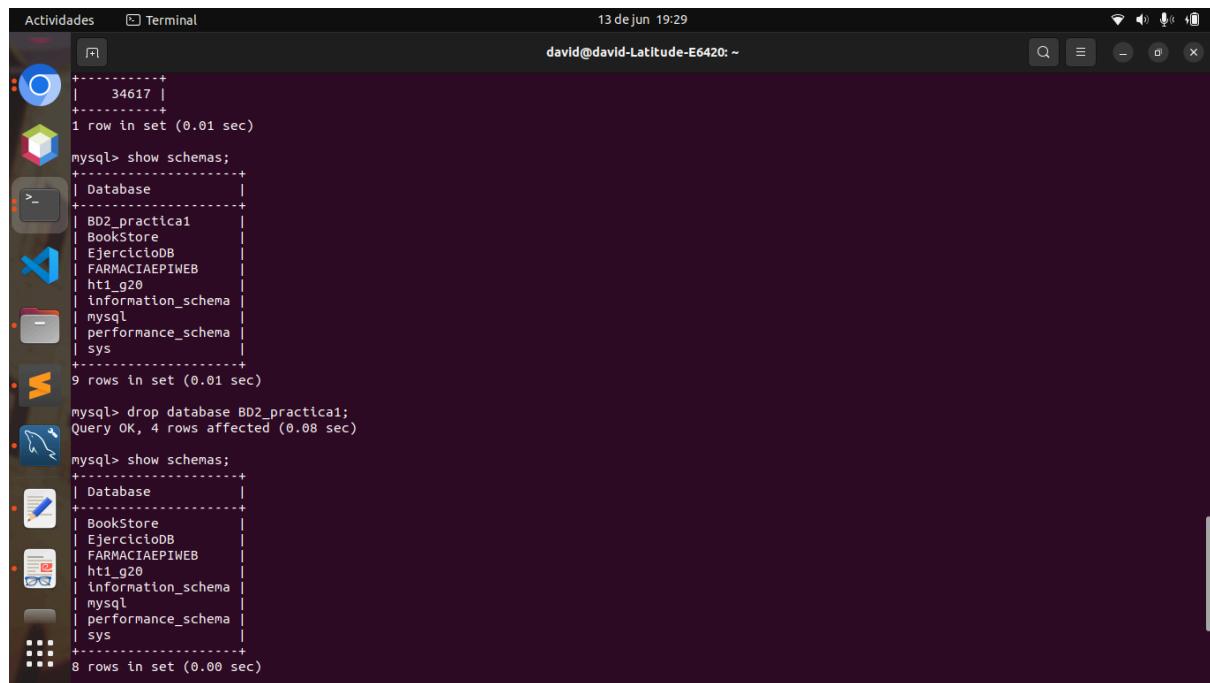
```
david@david-Latitude-E6420: $ mysqldump -u root -p BD2_practica1 LogHabitacion > /home/david/Documentos/BasesdeDatos2/Practica1/-BD2-EVJ2024_G20/Practica1/Archivos_Backups/Dia_3/Incremental_backup_5.sql
Enter password:
david@david-Latitude-E6420: $
```

Archivos:



14. Actividad 10

Eliminación de datos



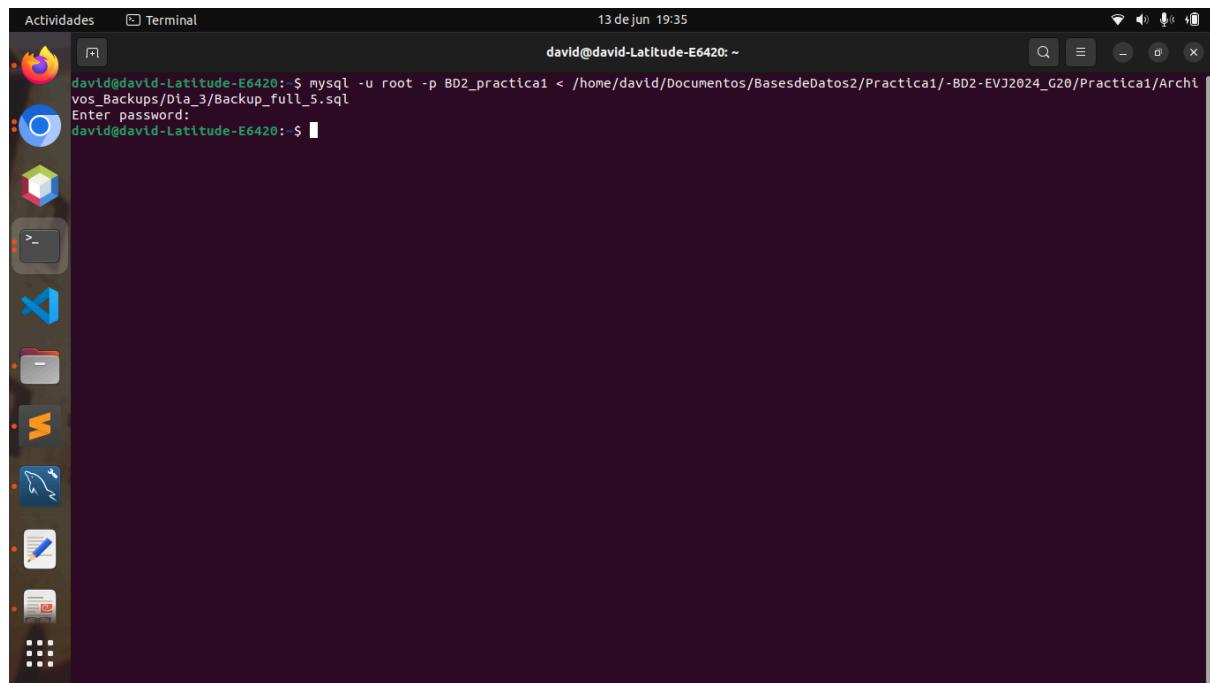
A screenshot of a Linux desktop environment showing a terminal window. The terminal window title is "Actividades Terminal". The command history shows:

```
david@david-Latitude-E6420: ~
mysql> show databases;
+-----+
| Database |
+-----+
| BD2_practica1 |
| BookStore |
| EjercicioDB |
| FARMACIAEPIWEB |
| ht1_g20 |
| information_schema |
| mysql |
| performance_schema |
| sys |
+-----+
9 rows in set (0.01 sec)

mysql> drop database BD2_practica1;
Query OK, 4 rows affected (0.08 sec)

mysql> show databases;
+-----+
| Database |
+-----+
| BookStore |
| EjercicioDB |
| FARMACIAEPIWEB |
| ht1_g20 |
| information_schema |
| mysql |
| performance_schema |
| sys |
+-----+
8 rows in set (0.00 sec)
```

Restauración de full backup 5



A screenshot of a Linux desktop environment showing a terminal window. The terminal window title is "Actividades Terminal". The command entered is:

```
david@david-Latitude-E6420: ~ mysql -u root -p BD2_practica1 < /home/david/Documentos/BasesdeDatos2/Practica1/-BD2-EVJ2024_G20/Practica1/Archivos_Backups/Dia_3/Backup_full_5.sql
Enter password:
```

Tiempo de Restauración: 19:35:33.24 a 19:35:37.58

Duración: 4.34s

SELECT * FROM cada tabla

Actividades MySQL Workbench 13 de jun 19:38

MySQL Workbench Local instance 3306

File Edit View Query Database Server Tools Scripting Help

Schemas

SCHEMAS Filter objects BD2_practica1

Tables HABITACION log_actividad LogHabitacion PACIENTE Views Stored Procedures Functions EjercicioDB FARMACIAEPIWEB ht1_g20 sys

Query 1 Limit to 1000 rows

```
1 • use `BD2_practica1`;
2 • Select * from log_actividad;
3 • select * from HABITACION;
4 • select * from PACIENTE;
5 • select * from LogHabitacion;
```

Result grid Filter Rows Edit Export/Import Wrap Cell Content Fetch rows Result Grid Form Editor Field Types Query Stats

#	id	timestampx	actividad	paciente	habitacion
1	20041	5/31/2021 7:12:14 AM	Paciente inicia el registro.	134247	10
2	20042	5/31/2021 7:13:16 AM	Paciente recibe papeleria en recepcion.	134247	10
3	20043	5/31/2021 7:15:54 AM	Paciente entrega papeleria.	134247	10
4	20044	5/31/2021 7:16:33 AM	Recepcionista establece la condicion...	134247	10
5	20045	5/31/2021 7:17:47 AM	Enfermera comienza la revision del...	134247	10
6	20046	5/31/2021 7:19:33 AM	Revision determino que el paciente ...	134247	10
7	20047	5/31/2021 7:20:34 AM	Medico inicia con el tratamiento del ...	134247	10
8	20048	5/31/2021 7:21:50 AM	Paciente inicia el registro.	135641	10
9	20049	5/31/2021 7:23:01 AM	Paciente recibe papeleria en recepcion.	135641	10
10	20050	5/31/2021 7:25:39 AM	Paciente inicia el registro.	180487	10
11	20051	5/31/2021 7:25:44 AM	Paciente entrega papeleria.	135641	12
12	20052	5/31/2021 7:26:18 AM	Recepcionista establece la condicion...	135641	12
13	20053	5/31/2021 7:26:41 AM	Paciente recibe papeleria en recepcion.	180487	5

log_actividad 22

Query Completed

Actividades MySQL Workbench 13 de jun 19:38

MySQL Workbench Local instance 3306

File Edit View Query Database Server Tools Scripting Help

Schemas

SCHEMAS Filter objects BD2_practica1

Tables HABITACION log_actividad LogHabitacion PACIENTE Views Stored Procedures Functions EjercicioDB FARMACIAEPIWEB ht1_g20 sys

Query 1 Limit to 1000 rows

```
1 • use `BD2_practica1`;
2 • Select * from log_actividad;
3 • select * from HABITACION;
4 • select * from PACIENTE;
5 • select * from LogHabitacion;
```

Result grid Filter Rows Edit Export/Import Wrap Cell Content Fetch rows Result Grid Form Editor Field Types Query Stats

#	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 3
8		46
9		Estacion de revision 3
10		Estacion de revision 4
11	149397	28
12	177442	Sala de procedimientos 2
13	186195	Recepcion

HABITACION 23

Query Completed

Actividades MySQL Workbench 13 de jun 19:39 MySQL Workbench

Local instance 3306

File Edit View Query Database Server Tools Scripting Help

Schemas

BD2_practica1

Tables

HABITACION

log_actividad

LogHabitacion

PACIENTE

Views

Stored Procedures

Functions

BookStore

EjercicioDB

FARMACIAEPIWEB

ht1_g20

sys

Object Info Session

Query 1

```
1 • use `BD2_practica1`;
2 • Select * from log_actividad;
3 • select * from HABITACION;
4 • select * from PACIENTE;
5 • select * from LogHabitacion;
```

Result grid Filter Rows Export/Import Wrap Cell Content Fetch rows

#	idPaciente	edad	genero
1	100000	95	Otro
2	100001	40	Femenino
3	100002	42	Masculino
4	100003	8	Femenino
5	100004	88	Masculino
6	100005	23	Masculino
7	100006	60	Femenino
8	100007	49	Femenino
9	100008	44	Femenino
10	100009	55	Femenino
11	100010	28	Femenino
12	100011	13	Femenino
13	100012	62	Masculino

PACIENTE 24

Query Completed

Actividades MySQL Workbench 13 de jun 19:39 MySQL Workbench

Local instance 3306

File Edit View Query Database Server Tools Scripting Help

Schemas

BD2_practica1

Tables

HABITACION

log_actividad

LogHabitacion

PACIENTE

Views

Stored Procedures

Functions

BookStore

EjercicioDB

FARMACIAEPIWEB

ht1_g20

sys

Object Info Session

Query 1

```
1 • use `BD2_practica1`;
2 • Select * from log_actividad;
3 • select * from HABITACION;
4 • select * from PACIENTE;
5 • select * from LogHabitacion;
```

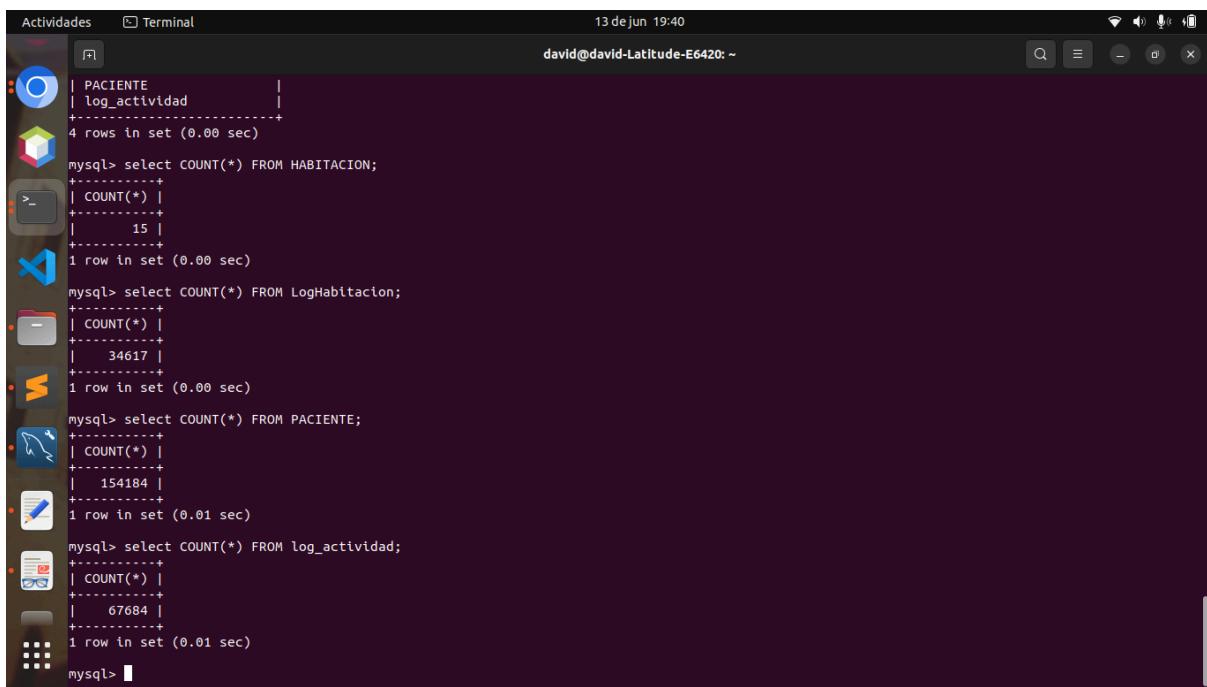
Result grid Filter Rows Export Wrap Cell Content Fetch rows

#	idHabitacion	timestamp	status
1	12	5/31/2021 7:19:33 AM	Sala no disponible.
2	12	5/31/2021 7:20:00 AM	Inicia limpieza.
3	12	5/31/2021 7:20:35 AM	Sala disponible.
4	12	5/31/2021 7:29:15 AM	Sala no disponible.
5	12	5/31/2021 7:29:42 AM	Inicia limpieza.
6	12	5/31/2021 7:30:31 AM	Sala disponible.
7	13	5/31/2021 7:36:38 AM	Sala no disponible.
8	13	5/31/2021 7:37:05 AM	Inicia limpieza.
9	13	5/31/2021 7:38:53 AM	Sala disponible.
10	1	5/31/2021 7:42:34 AM	Sala no disponible.
11	1	5/31/2021 7:43:14 AM	Inicia limpieza.
12	1	5/31/2021 7:46:07 AM	Sala disponible.
13	2	5/31/2021 7:54:19 AM	Sala no disponible.

LogHabitacion 25

Query Completed

SELECT COUNT(*) FROM cada tabla



```
Actividades Terminal 13 de jun 19:40 david@david-Latitude-E6420: ~
| PACIENTE      |
| log_actividad |
+-----+
4 rows in set (0.00 sec)

mysql> select COUNT(*) FROM HABITACION;
+-----+
| COUNT(*) |
+-----+
|      15   |
+-----+
1 row in set (0.00 sec)

mysql> select COUNT(*) FROM LogHabitacion;
+-----+
| COUNT(*) |
+-----+
|    34617  |
+-----+
1 row in set (0.00 sec)

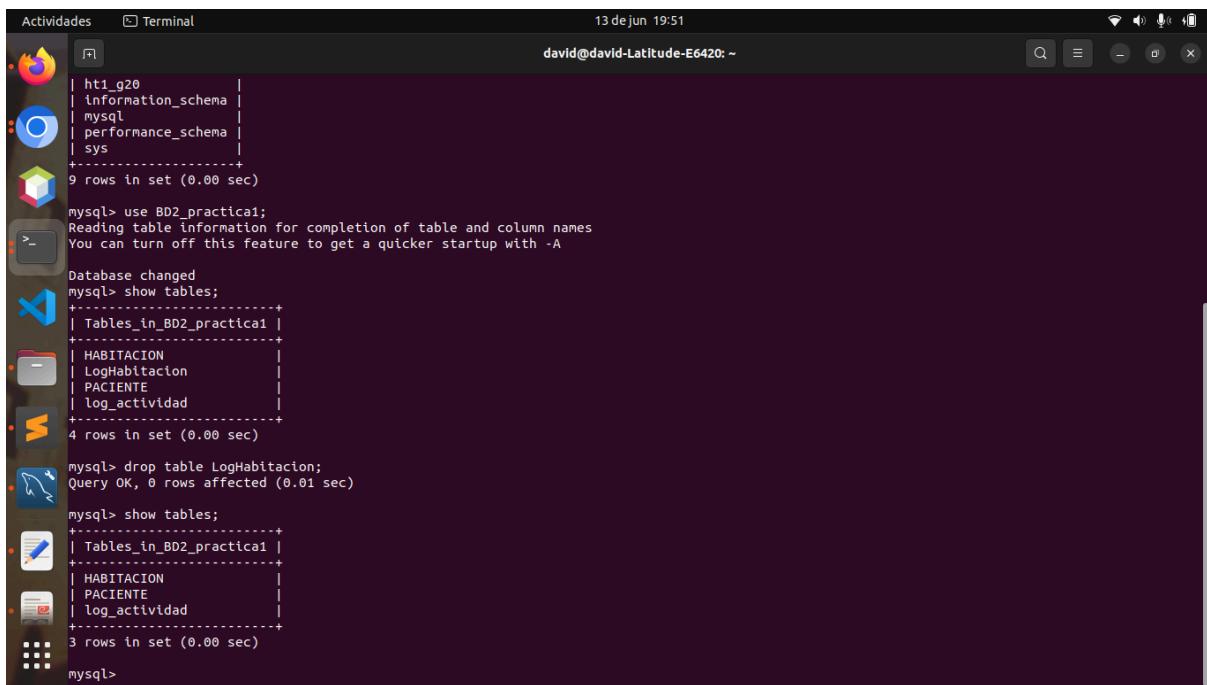
mysql> select COUNT(*) FROM PACIENTE;
+-----+
| COUNT(*) |
+-----+
| 154184   |
+-----+
1 row in set (0.01 sec)

mysql> select COUNT(*) FROM log_actividad;
+-----+
| COUNT(*) |
+-----+
|    67684  |
+-----+
1 row in set (0.01 sec)

mysql>
```

15. Actividad 15

Eliminación de datos:



```
Actividades Terminal 13 de jun 19:51 david@david-Latitude-E6420: ~
| hti_g20      |
| information_schema |
| mysql        |
| performance_schema |
| sys          |
+-----+
9 rows in set (0.00 sec)

mysql> use BD2_practica1;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
mysql> show tables;
+-----+
| Tables_in_BD2_practica1 |
+-----+
| HABITACION      |
| LogHabitacion  |
| PACIENTE        |
| log_actividad   |
+-----+
4 rows in set (0.00 sec)

mysql> drop table LogHabitacion;
Query OK, 0 rows affected (0.01 sec)

mysql> show tables;
+-----+
| Tables_in_BD2_practica1 |
+-----+
| HABITACION      |
| PACIENTE        |
| log_actividad   |
+-----+
3 rows in set (0.00 sec)

mysql>
```

Restauración de backup incremental 5

```
david@david-Latitude-E6420: ~
```

```
david@david-Latitude-E6420: ~$ mysql -u root -p BD2_practica1 < /home/david/Documentos/BasesdeDatos2/Practica1/-BD2-EVJ2024_G20/Practica1/Archivos_Backups/Dia_3/Incremental_backup_5.sql
Enter password:
```

Tiempo de Restauración: 19:58:23.16 a 19:58:24.27

Duración: 1.11s

SELECT * FROM cada tabla

MySQL Workbench

Local instance 3306

File Edit View Query Database Server Tools Scripting Help

SCHEMAS

BD2_practica1

Tables

Views

Stored Procedures

Functions

BookStore

EjercicioDB

FARMACIAEPIWEB

ht1_g20

sys

Query 1

```
use 'BD2_practica1';
Select * from log_actividad;
select * from HABITACION;
select * from PACIENTE;
select * from LogHabitacion;
```

#	id	timestampx	actividad	paciente habitacion
1	20041	5/31/2021 7:12:14 AM	Paciente inicia el registro.	134247 10
2	20042	5/31/2021 7:13:16 AM	Paciente recibe papelería en recepc...	134247 10
3	20043	5/31/2021 7:15:54 AM	Paciente entrega papelería.	134247 10
4	20044	5/31/2021 7:16:33 AM	Recepcionista establece la condicio...	134247 10
5	20045	5/31/2021 7:17:47 AM	Enfermera comienza la revisión del...	134247 10
6	20046	5/31/2021 7:19:33 AM	Revisión determinó que el paciente ...	134247 10
7	20047	5/31/2021 7:20:34 AM	Medico inicia con el tratamiento del ...	134247 10
8	20048	5/31/2021 7:21:50 AM	Paciente inicia el registro.	135641 10
9	20049	5/31/2021 7:23:01 AM	Paciente recibe papelería en recepc...	135641 10
10	20050	5/31/2021 7:25:39 AM	Paciente inicia el registro.	180487 10
11	20051	5/31/2021 7:25:44 AM	Paciente entrega papelería.	135641 12
12	20052	5/31/2021 7:26:18 AM	Recepcionista establece la condici...	135641 12
13	20053	5/31/2021 7:26:43 AM	Paciente recibe papelería en recepc...	190487 5

Actividades MySQL Workbench 13 de jun 20:02 MySQL Workbench

Local instance 3306

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Schemas

Filter objects

BD2_practica1

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ht1_g20

sys

Query 1

use 'BD2_practica1';
Select * from log_actividad;
select * from HABITACION;
select * from PACIENTE;
select * from LogHabitacion;

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

idHabitacion habitacion

1	1	Sala de exámenes 1
2	2	Sala de exámenes 2
3	3	Sala de exámenes 3
4	4	Sala de exámenes 4
5	5	Sala de imágenes 1
6	6	Sala de procedimientos 1
7	8	Sala de procedimientos 3
8	9	46
9	14	Estación de revisión 3
10	15	Estación de revisión 4
11	149397	28
12	177442	Sala de procedimientos 2
13	198195	Recepción

Object Info Session

No object selected

HABITACION 2

Apply Revert

Query Completed

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Schemas

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ht1_g20

sys

Query 1

use 'BD2_practica1';
Select * from log_actividad;
select * from HABITACION;
select * from PACIENTE;
select * from LogHabitacion;

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

idPaciente edad genero

1	100000	95	Otro
2	100001	40	Femenino
3	100002	42	Masculino
4	100003	8	Femenino
5	100004	88	Masculino
6	100005	23	Masculino
7	100006	60	Femenino
8	100007	49	Femenino
9	100008	44	Femenino
10	100009	55	Femenino
11	100010	28	Femenino
12	100011	13	Femenino
13	100012	62	Masculino

Object Info Session

No object selected

PACIENTE 3

Apply Revert

Query Completed

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Local instance 3306

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Schemas

BD2_practical

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BookStore EjercicioDB FARMACIAEPIWEB ht1_g20 sys

Query 1

```
1 • use `BD2_practical`;
2 • Select * from log_actividad;
3 • select * from HABITACION;
4 • select * from PACIENTE;
5 • select * from LogHabitacion;
```

Result Grid Filter Rows Export Wrap Cell Content Fetch rows

#	idHabitacion	timestamp	status
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.
1		5/31/2021 7:43:14 AM	Inicia limpieza.
1		5/31/2021 7:46:07 AM	Sala disponible.
2		5/31/2021 7:47:19 AM	Sala no disponible.

Object Info Session No object selected LogHabitacion 4 Read Only

Query Completed

SELECT COUNT(*) FROM cada tabla

Actividades Terminal 13 de jun 20:03

david@david-Latitude-E6420: ~

```
| PACIENTE           |
| log_actividad     |
+-----+
4 rows in set (0.01 sec)

mysql> select COUNT(*) FROM HABITACION;
+-----+
| COUNT(*) |
+-----+
|      15   |
+-----+
1 row in set (0.00 sec)

mysql> select COUNT(*) FROM LogHabitacion;
+-----+
| COUNT(*) |
+-----+
|    34617  |
+-----+
1 row in set (0.01 sec)

mysql> select COUNT(*) FROM PACIENTE;
+-----+
| COUNT(*) |
+-----+
|   154184  |
+-----+
1 row in set (0.00 sec)

mysql> select COUNT(*) FROM log_actividad;
+-----+
| COUNT(*) |
+-----+
|    67684  |
+-----+
1 row in set (0.02 sec)

mysql>
```

Análisis

Tabla de backups

Dia	Actividad	Backup	Tiempo (Segundos)
1	6	Full	1.941
	11	Incremental	0.96
	7	Full	6.778
2	12	Incremental	3.00
	8	Full	7.10
	9	Full	8.00
3	10	Full	9.34
	13	Incremental	1.79
	14	Incremental	3.40
	15	Incremental	1.11

Análisis de los datos Obtenidos

Los datos revelan variaciones significativas en los tiempos de realización de backups full e incrementales a lo largo de tres días. En el primer día, los backups full tomaron 1.941 segundos y 6.778 segundos respectivamente, mientras que los incrementales fueron más rápidos con 0.96 segundos. El segundo día mostró backups full con tiempos de 7.10 segundos y 8.00 segundos, contrastando con un backup incremental de 3.00 segundos. Finalmente, el tercer día registró un backup full de 9.34 segundos y backups incrementales con tiempos de 1.79 segundos, 3.40 segundos y 1.11 segundos respectivamente. Estos tiempos ilustran la variabilidad inherente en la duración de los backups según el tipo y el día, destacando la importancia de gestionar y planificar adecuadamente los backups para optimizar el tiempo y asegurar la disponibilidad de datos críticos en caso de fallos o pérdidas.

Tiempos de Backup Full vs Incremental:

Los backups full generalmente toman más tiempo en completarse en comparación con los backups incrementales. Esto se debe a que los backups full copian todo el conjunto de

datos, mientras que los backups incrementales solo copian los cambios realizados desde el último backup (sea full o incremental).

Variabilidad en los Tiempos:

Se observa una variabilidad en los tiempos de backup, tanto para full como para incremental, lo cual puede depender de varios factores como el tamaño de los datos, la carga del sistema, la velocidad de la red y la eficiencia del hardware de almacenamiento.

Por lo tanto, al restaurar los datos, en recursos y performance el full backup de demora más que el incremental, esto infiere que al hacer un full backup y restaurarlo el tiempo se mayor, por lo que si se necesita una respuesta rápida no es la mejor solución, por otra parte el incremental esta bien, mas sin embargo se puede usar en casos de respuesta rápida pues, mostrar la información que en ese momento nos interese, mientras se realice el resto de restauraciones. Esto se debe a que los backups incrementales sólo contienen los cambios realizados desde el último backup (ya sea completo o incremental), lo que reduce la cantidad de datos que deben restaurarse.

Conclusiones

- Los datos de los tiempos de backups full e incrementales revelan la importancia de una gestión y manejo de datos cuidadosa y planificada de las operaciones en cada backup. La variabilidad de los tiempos refleja la influencia de diversos factores como el tamaño de los datos y la carga del sistema. Los backups full que copian todo el conjunto de datos, requieren más tiempo en comparación con los backups incrementales, que solo capturan los cambios desde el último backup. Por lo tanto es crucial implementar una estrategia equilibrada que busque combinar backups completos periódicos con backups incrementales frecuentes para optimizar el tiempo de recuperación y garantizar la disponibilidad de los datos en caso de fallos, como estuvimos probando a la hora de eliminar y crear estos backups.
- La capacidad de procesamiento y recursos del sistema influyen en la duración de restauración de los backups ya que sistemas con mayores recursos pueden realizar los backups de manera más rápida mientras que los recursos limitados se pueden enfrentar a tiempos mucho más largos. Por lo tanto también es esencial tomar en cuenta la capacidad del sistema a la hora de la planificación de backups .
- Los backups full e incremental, para las bases de datos son de suma importancia, cada uno tiene sus ventajas y desventajas, cada uno tiene su implementación para cada caso, es importante analizar que convenga más, por ejemplo, si en algún momento llegase a fallar el servidor y se tiene un poco de tiempo para realizar la recuperación, lo mejor será hacerlo con el full backup, ahora bien si se necesita una respuesta mas rápida, es aconsejable usar el incremental, teniendo en cuenta alguna estrategia para recuperar los backups con los datos más importantes o de mayor impacto.