

Comando carga de archivos

```
mysql -u root -p practica1 < C:\Users\luiss\OneDrive\Escritorio\ArchivosPractica2\Carga1.sql;
```

Día 1

Backup completo:

```
mysqldump -u root -p practica1 > C:\Users\luiss\OneDrive\Escritorio\backup\backupdia1.sql
```

backup incremental:

```
mysqldump --single-transaction --quick --skip-extended-insert --routines -u root -p practica1 > C:\Users\luiss\OneDrive\Escritorio\backup\backupincrementaldia1.sql
```

```
SELECT * FROM Practica2 LIMIT 5
```

```
mysql> show tables;
+-----+
| Tables_in_practica1 |
+-----+
| practica2           |
+-----+
1 row in set (0.24 sec)

mysql> SELECT * FROM Practica2 LIMIT 5;
+-----+-----+-----+-----+
| dpi      | nombre      | email                      | genero |
+-----+-----+-----+-----+
| 3919413  | Kelley Ertelt | kertelt8n@psu.edu         | Male   |
| 5289478  | Jamesy Simmance | jsimmance6t@shinystat.com | Female |
| 8998802  | Nanette Kellett | nkellettew@bbc.co.uk      | Female |
| 10360257 | Des McInnery   | dmcinneryje@boston.com    | Male   |
| 12789061 | Hort Baggarley | hbaggarley9y@amazon.co.uk | Male   |
+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```

```
SELECT * FROM Practica2 ORDER BY dpi DESC LIMIT 5
```

```
mysql> SELECT * FROM Practica2 ORDER BY dpi DESC LIMIT 5;
+-----+-----+-----+-----+
| dpi      | nombre      | email                      | genero |
+-----+-----+-----+-----+
| 995889458 | Eldredge Kaysor | ekaysorii@tuttocitta.it   | Female |
| 995442940 | Cindee Chasle  | cchaslefb@usda.gov        | Male   |
| 994173287 | Heida Darlow   | hdarlow5w@google.it       | Male   |
| 993360572 | Pearle Byne    | pbyne81@slate.com         | Female |
| 992872832 | Leilah Betz    | lbetz6i@ucoz.ru           | Male   |
+-----+-----+-----+-----+
5 rows in set (0.00 sec)

mysql>
```

Día 2

Backup completo:

```
mysqldump -u root -p practica1 > C:\Users\luiss\OneDrive\Escritorio\backup\backupdia2.sql
```

backup incremental:

```
mysqldump --single-transaction --quick --skip-extended-insert --routines -u root -p practica1 > C:\Users\luiss\OneDrive\Escritorio\backup\backupincrementaldia2.sql
```

```
SELECT * FROM Practica2 LIMIT 5
```

```
mysql> SELECT * FROM Practica2 LIMIT 5;
```

dpi	nombre	email	genero
1046450	My Sedgeworth	msedgewortham@mtv.com	Female
1168765	Candace Matonin	cmatonin7d@ebay.co.uk	Female
2641671	Florella Mellmer	fmellmern@github.io	Male
3919413	Kelley Ertelt	kertelt8n@psu.edu	Male
5289478	Jamesy Simmance	jsimmance6t@shinystat.com	Female

```
5 rows in set (0.00 sec)
```

```
SELECT * FROM Practica2 ORDER BY dpi DESC LIMIT 5
```

```
mysql> SELECT * FROM Practica2 ORDER BY dpi DESC LIMIT 5;
```

dpi	nombre	email	genero
999998685	Chrystal Traske	ctraske9k@thetimes.co.uk	Male
997651440	Lydia Trinder	ltrinderdr@sogou.com	Female
997551883	Parry Huertas	phuertasf@cbslocal.com	Male
996499363	Dayna Antonomolii	dantonomolii91@tinyurl.com	Female
995889458	Eldredge Kaysor	ekaysorii@tuttocitta.it	Female

```
5 rows in set (0.00 sec)
```

Día 3

Backup completo:

```
mysqldump -u root -p practica1 > C:\Users\luiss\OneDrive\Escritorio\backup\backupdia3.sql
```

backup incremental:

```
mysqldump --single-transaction --quick --skip-extended-insert --routines -u root -p practica1 > C:\Users\luiss\OneDrive\Escritorio\backup\backupincrementaldia3.sql
```

```
SELECT * FROM Practica2 LIMIT 5
```

```
mysql> SELECT * FROM Practica2 LIMIT 5;
+-----+-----+-----+-----+
| dpi    | nombre          | email                      | genero |
+-----+-----+-----+-----+
| 738360 | Pavel Berks     | pberksgj@icq.com          | Male   |
| 1046450 | My Sedgeworth   | msedgewortham@mtv.com     | Female |
| 1168765 | Candace Matonin | cmatonin7d@ebay.co.uk     | Female |
| 2641671 | Florella Mellmer | fmellmern@github.io       | Male   |
| 3919413 | Kelley Ertelt   | kertelt8n@psu.edu         | Male   |
+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```

```
SELECT * FROM Practica2 ORDER BY dpi DESC LIMIT 5
```

```
mysql> SELECT * FROM Practica2 ORDER BY dpi DESC LIMIT 5;
+-----+-----+-----+-----+
| dpi    | nombre          | email                      | genero |
+-----+-----+-----+-----+
| 999998685 | Chrystal Traske | ctraske9k@thetimes.co.uk  | Male   |
| 998866090 | Alejoa Halleybone | ahalleyboned4@purevolume.com | Female |
| 997924650 | Ario Ranklin     | aranklin4u@ucla.edu       | Agender |
| 997859599 | Tamara Fuggles   | tfugglesdj@tonline.de    | Polygender |
| 997651440 | Lydia Trinder    | ltrinderdr@sogou.com      | Female |
+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```

Día 4

Backup completo:

```
mysqldump -u root -p practica1 > C:\Users\luiss\OneDrive\Escritorio\backup\backupdia4.sql
```

backup incremental:

```
mysqldump --single-transaction --quick --skip-extended-insert --routines -u root -p practica1 > C:\Users\luiss\OneDrive\Escritorio\backup\backupincrementaldia4.sql
```

```
SELECT * FROM Practica2 LIMIT 5
```

```
mysql> SELECT * FROM Practica2 LIMIT 5;
```

dpi	nombre	email	genero
738360	Pavel Berks	pberksgj@icq.com	Male
1046450	My Sedgeworth	msedgewortham@mtv.com	Female
1168765	Candace Matonin	cmatonin7d@ebay.co.uk	Female
1234975	Orazio Bloodworthe	obloodworthe7@erecht24.de	Female
1371068	Lemmie Strickler	lstricklere8@ustream.tv	Female

```
5 rows in set (0.00 sec)
```

```
SELECT * FROM Practica2 ORDER BY dpi DESC LIMIT 5
```

```
mysql> SELECT * FROM Practica2 ORDER BY dpi DESC LIMIT 5;
```

dpi	nombre	email	genero
999998685	Chrystal Traske	ctraske9k@thetimes.co.uk	Male
999583594	Marley Reddle	mreddle1h@rediff.com	Male
999274321	Evy Sorrie	esorrie@flavors.me	Female
999163885	Harmon Kinman	hkinmanhl@joomla.org	Male
998866090	Alejoa Halleybone	ahalleyboned4@purevolume.com	Female

```
5 rows in set (0.00 sec)
```

Día 5

Backup completo:

```
mysqldump -u root -p practica1 > C:\Users\luiss\OneDrive\Escritorio\backup\backupdia5.sql
```

backup incremental:

```
mysqldump --single-transaction --quick --skip-extended-insert --routines -u root -p practica1 > C:\Users\luiss\OneDrive\Escritorio\backup\backupincrementaldia5.sql
```

```
SELECT * FROM Practica2 LIMIT 5
```

```
mysql> SELECT * FROM Practica2 LIMIT 5;
```

dpi	nombre	email	genero
177544	Jorry Grimwad	jgrimwadcm@hibu.com	Male
738360	Pavel Berks	pberksgj@icq.com	Male
1046450	My Sedgeworth	msedgewortham@mtv.com	Female
1113999	Josee Gilbane	jgilbanehv@oakley.com	Genderfluid
1168765	Candace Matonin	cmatonin7d@ebay.co.uk	Female

```
5 rows in set (0.00 sec)
```

```
SELECT * FROM Practica2 ORDER BY dpi DESC LIMIT 5
```

```
mysql> SELECT * FROM Practica2 ORDER BY dpi DESC LIMIT 5;
```

dpi	nombre	email	genero
999998685	Chrystal Trask	ctraske9k@thetimes.co.uk	Male
999871185	Harriett Pettus	hpettusdz@cafepress.com	Female
999583594	Marley Reddle	mreddle1h@rediff.com	Male
999274321	Evy Sorrie	esorrieb@flavors.me	Female
999163885	Harmon Kinman	hkinmanhl@joomla.org	Male

```
5 rows in set (0.00 sec)
```

Restauración full Backups

Full backup 1:

mysql -u root -p practica1 < C:\Users\luiss\OneDrive\Escritorio\backup\backupdia1.sql

Tiempo: 00:02:44

`SELECT * FROM Practica2 LIMIT 5`

```
mysql> SELECT * FROM Practica2 LIMIT 5;
+-----+-----+-----+-----+
| dpi   | nombre      | email                               | genero |
+-----+-----+-----+-----+
| 3919413 | Kelley Ertelt | kertelt8n@psu.edu                 | Male   |
| 5289478 | Jamesy Simmance | jsimmance6t@shinystat.com        | Female |
| 8998802 | Nanette Kellett | nkellettew@bbc.co.uk             | Female |
| 10360257 | Des McInnery | dmcinneryje@boston.com           | Male   |
| 12789061 | Hort Baggarley | hbaggarley9y@amazon.co.uk        | Male   |
+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```

`SELECT * FROM Practica2 ORDER BY dpi DESC LIMIT 5`

```
mysql> SELECT * FROM Practica2 ORDER BY dpi DESC LIMIT 5;
+-----+-----+-----+-----+
| dpi   | nombre      | email                               | genero |
+-----+-----+-----+-----+
| 995889458 | Eldredge Kaysor | ekaysorii@tuttocitta.it          | Female |
| 995442940 | Cindee Chasle | cchaslefb@usda.gov              | Male   |
| 994173287 | Heida Darlow | hdarlow5w@google.it             | Male   |
| 993360572 | Pearle Byne | pbyne81@slate.com               | Female |
| 992872832 | Leilah Betz | lbetz6i@ucoz.ru                 | Male   |
+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```

Full backup 2:

mysql -u root -p practica1 < C:\Users\luiss\OneDrive\Escritorio\backup\backupdia2.sql

Tiempo: 00:03:11

SELECT * FROM Practica2 LIMIT 5

```
mysql> SELECT * FROM Practica2 LIMIT 5;
```

dpi	nombre	email	genero
1046450	My Sedgeworth	msedgewortham@mtv.com	Female
1168765	Candace Matonin	cmatonin7d@ebay.co.uk	Female
2641671	Florella Mellmer	fmellmern@github.io	Male
3919413	Kelley Ertelt	kertelt8n@psu.edu	Male
5289478	Jamesy Simmance	jsimmance6t@shinystat.com	Female

5 rows in set (0.00 sec)

SELECT * FROM Practica2 ORDER BY dpi DESC LIMIT 5

```
mysql> SELECT * FROM Practica2 ORDER BY dpi DESC LIMIT 5;
```

dpi	nombre	email	genero
999998685	Chrystal Traske	ctraske9k@thetimes.co.uk	Male
997651440	Lydia Trinder	ltrinderdr@sogou.com	Female
997551883	Parry Huertas	phuertasf@cbslocal.com	Male
996499363	Dayna Antonomolii	dantonomolii91@tinyurl.com	Female
995889458	Eldredge Kaysor	ekaysorii@tuttocitta.it	Female

5 rows in set (0.00 sec)

Full backup 3:

mysql -u root -p practica1 < C:\Users\luiss\OneDrive\Escritorio\backup\backupdia3.sql

Tiempo: 00:03:33

SELECT * FROM Practica2 LIMIT 5

```
mysql> SELECT * FROM Practica2 LIMIT 5;
```

dpi	nombre	email	genero
738360	Pavel Berks	pberksgj@icq.com	Male
1046450	My Sedgeworth	msedgewortham@mtv.com	Female
1168765	Candace Matonin	cmatonin7d@ebay.co.uk	Female
2641671	Florella Mellmer	fmellmern@github.io	Male
3919413	Kelley Ertelt	kertelt8n@psu.edu	Male

5 rows in set (0.00 sec)

SELECT * FROM Practica2 ORDER BY dpi DESC LIMIT 5

```
mysql> SELECT * FROM Practica2 ORDER BY dpi DESC LIMIT 5;
```

dpi	nombre	email	genero
999998685	Chrystal Traske	ctraske9k@thetimes.co.uk	Male
998866090	Alejoa Halleybone	ahalleyboned4@purevolume.com	Female
997924650	Ario Ranklin	aranklin4u@ucla.edu	Agender
997859599	Tamara Fuggles	tfugglesdj@tonline.de	Polygender
997651440	Lydia Trinder	ltrinderdr@sogou.com	Female

5 rows in set (0.00 sec)

Full backup 4:

mysql -u root -p practica1 < C:\Users\luiss\OneDrive\Escritorio\backup\backupdia4.sql

Tiempo: 00:03:40

SELECT * FROM Practica2 LIMIT 5

```
mysql> SELECT * FROM Practica2 LIMIT 5;
```

dpi	nombre	email	genero
738360	Pavel Berks	pberksgj@icq.com	Male
1046450	My Sedgeworth	msedgewortham@mtv.com	Female
1168765	Candace Matonin	cmatonin7d@ebay.co.uk	Female
1234975	Orazio Bloodworthe	obloodworthe7@erecht24.de	Female
1371068	Lemmie Strickler	lstricklere8@ustream.tv	Female

5 rows in set (0.01 sec)

SELECT * FROM Practica2 ORDER BY dpi DESC LIMIT 5

```
mysql> SELECT * FROM Practica2 ORDER BY dpi DESC LIMIT 5;
```

dpi	nombre	email	genero
999998685	Chrystal Traske	ctraske9k@thetimes.co.uk	Male
999583594	Marley Reddle	mreddle1h@rediff.com	Male
999274321	Evy Sorrie	esorrie@flavors.me	Female
999163885	Harmon Kinman	hkinmanh1@joomla.org	Male
998866090	Alejoa Halleybone	ahalleyboned4@purevolume.com	Female

5 rows in set (0.00 sec)

Full backup 5:

mysql -u root -p practica1 < C:\Users\luiss\OneDrive\Escritorio\backup\backupdia5.sql

Tiempo: 00:04:40

SELECT * FROM Practica2 LIMIT 5

```
mysql> SELECT * FROM Practica2 LIMIT 5;
```

dpi	nombre	email	genero
177544	Jorry Grimwad	jgrimwadcm@hibu.com	Male
738360	Pavel Berks	pberksgj@icq.com	Male
1046450	My Sedgeworth	msedgewortham@mtv.com	Female
1113999	Josee Gilbane	jgilbanehv@oakley.com	Genderfluid
1168765	Candace Matonin	cmatonin7d@ebay.co.uk	Female

5 rows in set (0.00 sec)

SELECT * FROM Practica2 ORDER BY dpi DESC LIMIT 5

```
mysql> SELECT * FROM Practica2 ORDER BY dpi DESC LIMIT 5;
```

dpi	nombre	email	genero
999998685	Chrystal Traske	ctraske9k@thetimes.co.uk	Male
999871185	Harriett Pettus	hpettusdz@cafepress.com	Female
999583594	Marley Reddle	mreddle1h@rediff.com	Male
999274321	Evy Sorrie	esorrie@flavors.me	Female
999163885	Harmon Kinman	hkinmanhl@joomla.org	Male

5 rows in set (0.00 sec)

Restauración Backups incrementales

backup 1:

mysql -u root -p practica1 <

C:\Users\luiss\OneDrive\Escritorio\backup\backupincrementaldia1.sqlTiempo: 01:06:39

SELECT * FROM Practica2 LIMIT 5

```
mysql> SELECT * FROM Practica2 LIMIT 5;
```

dpi	nombre	email	genero
3919413	Kelley Ertelt	kertelt8n@psu.edu	Male
5289478	Jamesy Simmance	jsimmance6t@shinystat.com	Female
8998802	Nanette Kellett	nkellettw@bbc.co.uk	Female
10360257	Des McInnery	dmcinneryje@boston.com	Male
12789061	Hort Baggarley	hbaggarley9y@amazon.co.uk	Male

5 rows in set (0.00 sec)

SELECT * FROM Practica2 ORDER BY dpi DESC LIMIT 5

```
mysql> SELECT * FROM Practica2 ORDER BY dpi DESC LIMIT 5;
```

dpi	nombre	email	genero
995889458	Eldredge Kaysor	ekaysorii@tuttocitta.it	Female
995442940	Cindee Chasle	cchaslefb@usda.gov	Male
994173287	Heida Darlow	hdarlow5w@google.it	Male
993360572	Pearle Byne	pbyne81@slate.com	Female
992872832	Leilah Betz	lbetz6i@ucoz.ru	Male

5 rows in set (0.00 sec)

backup 2:

mysql -u root -p practica1 < C:\Users\luiss\OneDrive\Escritorio\backup\backupincrementaldia2.sql

Tiempo: 01:56:20

SELECT * FROM Practica2 LIMIT 5

```
mysql> SELECT * FROM Practica2 LIMIT 5;
```

dpi	nombre	email	genero
1046450	My Sedgeworth	msedgewortham@mtv.com	Female
1168765	Candace Matonin	cmatonin7d@ebay.co.uk	Female
2641671	Florella Mellmer	fmellmern@github.io	Male
3919413	Kelley Ertelt	kertelt8n@psu.edu	Male
5289478	Jamesy Simmance	jsimmance6t@shinystat.com	Female

5 rows in set (0.00 sec)

SELECT * FROM Practica2 ORDER BY dpi DESC LIMIT 5

```
mysql> SELECT * FROM Practica2 ORDER BY dpi DESC LIMIT 5;
```

dpi	nombre	email	genero
999998685	Chrystal Traske	ctraske9k@thetimes.co.uk	Male
997651440	Lydia Trinder	ltrinderdr@sogou.com	Female
997551883	Parry Huertas	phuertasf@cbslocal.com	Male
996499363	Dayna Antonomolii	dantonomolii91@tinyurl.com	Female
995889458	Eldredge Kaysor	ekaysorii@tuttocitta.it	Female

5 rows in set (0.00 sec)

backup 3:

mysql -u root -p practica1 < C:\Users\luiss\OneDrive\Escritorio\backup\backupincrementaldia3.sql
Tiempo: 03:18:80

SELECT * FROM Practica2 LIMIT 5

```
mysql> SELECT * FROM Practica2 LIMIT 5;
```

dpi	nombre	email	genero
738360	Pavel Berks	pberksgj@icq.com	Male
1046450	My Sedgeworth	msedgewortham@mtv.com	Female
1168765	Candace Matonin	cmatonin7d@ebay.co.uk	Female
2641671	Florella Mellmer	fmellmern@github.io	Male
3919413	Kelley Ertelt	kertelt8n@psu.edu	Male

5 rows in set (0.00 sec)

SELECT * FROM Practica2 ORDER BY dpi DESC LIMIT 5

```
mysql> SELECT * FROM Practica2 ORDER BY dpi DESC LIMIT 5;
```

dpi	nombre	email	genero
999998685	Chrystal Traske	ctraske9k@thetimes.co.uk	Male
998866090	Alejoa Halleybone	ahalleyboned4@purevolume.com	Female
997924650	Ario Ranklin	aranklin4u@ucla.edu	Agender
997859599	Tamara Fuggles	tfugglesdj@tonline.de	Polygender
997651440	Lydia Trinder	ltrinderdr@sogou.com	Female

5 rows in set (0.00 sec)

backup 4:

mysql -u root -p practica1 < C:\Users\luiss\OneDrive\Escritorio\backup\backupincrementaldia4.sql
Tiempo: 03:52:49

SELECT * FROM Practica2 LIMIT 5

```
mysql> SELECT * FROM Practica2 LIMIT 5;
+-----+-----+-----+-----+
| dpi   | nombre          | email                      | genero |
+-----+-----+-----+-----+
| 738360 | Pavel Berks     | pberksgj@icq.com          | Male   |
| 1046450 | My Sedgeworth   | msedgewortham@mtv.com     | Female |
| 1168765 | Candace Matonin | cmatonin7d@ebay.co.uk     | Female |
| 1234975 | Orazio Bloodworthe | obloodworthe7@erecht24.de | Female |
| 1371068 | Lemmie Strickler | lstricklere8@ustream.tv   | Female |
+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```

SELECT * FROM Practica2 ORDER BY dpi DESC LIMIT 5

```
mysql> SELECT * FROM Practica2 ORDER BY dpi DESC LIMIT 5;
+-----+-----+-----+-----+
| dpi   | nombre          | email                      | genero |
+-----+-----+-----+-----+
| 999998685 | Chrystal Traske | ctraske9k@thetimes.co.uk  | Male   |
| 999583594 | Marley Reddle   | mreddle1h@rediff.com     | Male   |
| 999274321 | Evy Sorrie      | esorrie@flavors.me       | Female |
| 999163885 | Harmon Kinman   | hkinmanhl@joomla.org     | Male   |
| 998866090 | Alejoa Halleybone | ahalleyboned4@purevolume.com | Female |
+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```

backup 5:

mysql -u root -p practica1 < C:\Users\luiss\OneDrive\Escritorio\backup\backupincrementaldia5.sql
Tiempo: 04:49:21

SELECT * FROM Practica2 LIMIT 5

```
mysql> SELECT * FROM Practica2 LIMIT 5;
```

dpi	nombre	email	genero
177544	Jorry Grimwad	jgrimwadcm@hibu.com	Male
738360	Pavel Berks	pberksgj@icq.com	Male
1046450	My Sedgeworth	msedgewortham@mtv.com	Female
1113999	Josee Gilbane	jgilbanehv@oakley.com	Genderfluid
1168765	Candace Matonin	cmatonin7d@ebay.co.uk	Female

5 rows in set (0.00 sec)

SELECT * FROM Practica2 ORDER BY dpi DESC LIMIT 5

```
mysql> SELECT * FROM Practica2 ORDER BY dpi DESC LIMIT 5;
```

dpi	nombre	email	genero
999998685	Chrystal Traske	ctraske9k@thetimes.co.uk	Male
999871185	Harriett Pettus	hpettusdz@cafepress.com	Female
999583594	Marley Reddle	mreddle1h@rediff.com	Male
999274321	Evy Sorrie	esorrie@flavors.me	Female
999163885	Harmon Kinman	hkinmanhl@joomla.org	Male

5 rows in set (0.00 sec)

Análisis:

La recuperación de un backup completo aumentaba segundos cada 700 registros más.

La recuperación de un backup incremental aumentaba un minuto cada 700 registros más.

Conclusión:

Luego de obtener los resultados de la realización de backup incrementales y backups completos con distintas cantidades de información ingresadas en la base de datos se llega a la conclusión que para este caso en particular la mejor opción es la realización de backups completos dado a que la recuperación de datos es mucho mas rápida que la recuperación de datos con backups incrementales.