

**PROGRAMACIÓN WEB II
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PRACTICA 1: (Verificar el funcionamiento de mysql)

1. Enciende el xampp control para iniciar el servicio de apache y mysql
2. Accesa a la siguiente ruta: C:\xampp\mysql\bin

```
PS E:\PrograWeb> CD PrograWeb2
PS E:\PrograWeb\PrograWeb2> LS

Directorio: E:\PrograWeb\PrograWeb2

Mode                LastWriteTime         Length Name
----                -
d-----          8/11/2023   9:14 AM             ExamenPractico
d-----          8/14/2023   9:13 PM             Parcial1

PS E:\PrograWeb\PrograWeb2> CD Parcial1
PS E:\PrograWeb\PrograWeb2\Parcial1> LS

Directorio: E:\PrograWeb\PrograWeb2\Parcial1

Mode                LastWriteTime         Length Name
----                -
d-----          8/17/2023   8:41 PM             xampplite
-a-----          8/14/2023   9:12 PM             214311 InfografiaMVC_182451.pdf
-a-----          8/15/2023   9:53 AM             163862 Captura de pantalla (1).png
-a-----          8/17/2023   8:40 PM             66881940 xampplite.zip
-a-----          8/21/2023   9:45 AM             317490 Vetrinaria_conceptualización.pdf
-a-----          8/21/2023   9:49 AM             441917 DISÑO CONCEPTUAL.docx
-a-----          8/25/2023   9:50 AM             222890 Act_Integradora3_182451.docx
-a-----          8/25/2023   9:50 AM             291267 Act_Integradora3_182451.pdf
-a-----          8/25/2023   9:51 AM             152181 Act_Integradora2_182451.docx
-a-----          8/25/2023   9:51 AM             209528 Act_Integradora2_182451.pdf
-a-----          8/26/2023   12:54 PM             781463 Act_Integradora4_182451.docx
-a-----          8/26/2023   12:54 PM             1032136 Act_Integradora4_182451.pdf
-a-----          8/26/2023   2:04 PM             5300258 InfografiaSQL_182451.pdf
-a-----          8/28/2023   9:21 AM             2035 integradora5.txt
-a-----          8/28/2023   9:21 AM             2035 integradora5.sql
-a-----          8/28/2023   9:41 AM             138002 jardineria.sql

PS E:\PrograWeb\PrograWeb2\Parcial1> CD xampplite
PS E:\PrograWeb\PrograWeb2\Parcial1\xampplite> CD mysql
PS E:\PrograWeb\PrograWeb2\Parcial1\xampplite\mysql> CD bin
```

3. Una vez que te aparezca el prompt de mysql, teclea lo siguiente:
mysql -h localhost -u root -p

```
PS E:\PrograWeb\PrograWeb2\Parcial1\xampplite\mysql\bin> .\mysql -h localhost -u root -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 13
Server version: 5.1.41 Source distribution

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
```

4. Como password no es necesario teclear ningún dato y oprime enter
5. Prueba los siguientes comandos:

- select now();

```
mysql> select now();
+-----+
| now() |
+-----+
| 2023-08-29 10:09:13 |
+-----+
1 row in set (0.00 sec)
```

- select version ();

```
mysql> select version ();
+-----+
| version () |
+-----+
| 5.1.41      |
+-----+
1 row in set (0.01 sec)
```

- show databases;

```
mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| actividad_integradora5 |
| controlesc |
| ejercicio1 |
| jardineria |
| library |
| mysql |
| phpmyadmin |
| tienda |
| vetas |
| veterinaria |
+-----+
11 rows in set (0.00 sec)
```

6. Una vez que hayas mostrado las bases de datos existentes, teclea el siguiente comando:
use mysql;

```
mysql> use mysql;
Database changed
```

7. utiliza el comando "show tables;" y verifica las tablas que están contenidas en la base de datos seleccionada.

```
mysql> show tables;
+-----+
| Tables_in_mysql |
+-----+
| columns_priv |
| db |
| event |
| func |
| general_log |
| help_category |
| help_keyword |
| help_relation |
| help_topic |
| host |
| ndb_binlog_index |
| plugin |
| proc |
| procs_priv |
| servers |
| slow_log |
| tables_priv |
| time_zone |
| time_zone_leap_second |
| time_zone_name |
| time_zone_transition |
| time_zone_transition_type |
| user |
+-----+
23 rows in set (0.00 sec)
```

8. Muestra los campos que se encuentran en la tabla users con el siguiente comando:
show fields from user;

```
mysql> show fields from user;
```

| Field | Type | Null | Key | Default | Extra |
|-----------------------|--------------------------------------|------|-----|---------|-------|
| Host | char(60) | NO | PRI | | |
| User | char(16) | NO | PRI | | |
| Password | char(41) | NO | | | |
| Select_priv | enum('N','Y') | NO | | N | |
| Insert_priv | enum('N','Y') | NO | | N | |
| Update_priv | enum('N','Y') | NO | | N | |
| Delete_priv | enum('N','Y') | NO | | N | |
| Create_priv | enum('N','Y') | NO | | N | |
| Drop_priv | enum('N','Y') | NO | | N | |
| Reload_priv | enum('N','Y') | NO | | N | |
| Shutdown_priv | enum('N','Y') | NO | | N | |
| Process_priv | enum('N','Y') | NO | | N | |
| File_priv | enum('N','Y') | NO | | N | |
| Grant_priv | enum('N','Y') | NO | | N | |
| References_priv | enum('N','Y') | NO | | N | |
| Index_priv | enum('N','Y') | NO | | N | |
| Alter_priv | enum('N','Y') | NO | | N | |
| Show_db_priv | enum('N','Y') | NO | | N | |
| Super_priv | enum('N','Y') | NO | | N | |
| Create_tmp_table_priv | enum('N','Y') | NO | | N | |
| Lock_tables_priv | enum('N','Y') | NO | | N | |
| Execute_priv | enum('N','Y') | NO | | N | |
| Repl_slave_priv | enum('N','Y') | NO | | N | |
| Repl_client_priv | enum('N','Y') | NO | | N | |
| Create_view_priv | enum('N','Y') | NO | | N | |
| Show_view_priv | enum('N','Y') | NO | | N | |
| Create_routine_priv | enum('N','Y') | NO | | N | |
| Alter_routine_priv | enum('N','Y') | NO | | N | |
| Create_user_priv | enum('N','Y') | NO | | N | |
| Event_priv | enum('N','Y') | NO | | N | |
| Trigger_priv | enum('N','Y') | NO | | N | |
| ssl_type | enum('', 'ANY', 'X509', 'SPECIFIED') | NO | | | |
| ssl_cipher | blob | NO | | NULL | |
| x509_issuer | blob | NO | | NULL | |
| x509_subject | blob | NO | | NULL | |
| max_questions | int(11) unsigned | NO | | 0 | |
| max_updates | int(11) unsigned | NO | | 0 | |
| max_connections | int(11) unsigned | NO | | 0 | |
| max_user_connections | int(11) unsigned | NO | | 0 | |

39 rows in set (0.03 sec)

Windows PowerShell

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Prueba la nueva tecnología PowerShell multiplataforma <https://aka.ms/pscore6>

PS C:\Users\182451> CD..

PS C:\Users> CD..

PS C:\> E:

PS E:\> C:

PS C:\> E:

PS E:\> LS

Directorio: E:\

| Mode | LastWriteTime | Length | Name |
|------|---------------|--------|------|
|------|---------------|--------|------|

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```

-----
d----- 8/11/2023 9:14 AM PrograWeb
d----- 8/15/2023 9:18 AM Proga
d----- 8/22/2023 8:49 AM Superrepas
d----- 8/22/2023 4:11 PM Labo_Progra
d----- 8/21/2023 10:26 AM pilaasss
d----- 8/24/2023 10:34 AM Nueva carpeta
-a----- 8/28/2023 10:31 PM 149473 Boletos_Rifa.docx

```

PS E:\> CD PrograWeb
PS E:\PrograWeb> LS

Directorio: E:\PrograWeb

```

Mode                LastWriteTime         Length Name
-----
d----- 8/11/2023 9:14 AM          PrograWeb2
d----- 8/15/2023 9:18 AM          PrograWeb1

```

PS E:\PrograWeb> CD PrograWeb2
PS E:\PrograWeb\PrograWeb2> LS

Directorio: E:\PrograWeb\PrograWeb2

```

Mode                LastWriteTime         Length Name
-----
d----- 8/11/2023 9:14 AM          ExamenPractico
d----- 8/14/2023 9:13 PM          Parcial1

```

PS E:\PrograWeb\PrograWeb2> CD Parcial1
PS E:\PrograWeb\PrograWeb2\Parcial1> LS

Directorio: E:\PrograWeb\PrograWeb2\Parcial1

```

Mode                LastWriteTime         Length Name
-----
d----- 8/17/2023 8:41 PM          xampllite
-a----- 8/14/2023 9:12 PM      214311 InfografiaMVC_182451.pdf
-a----- 8/15/2023 9:53 AM      163862 Captura de pantalla (1).png
-a----- 8/17/2023 8:40 PM      66881940 xampllite.zip
-a----- 8/21/2023 9:45 AM      317490 Vetrinaria_conceptualización.pdf
-a----- 8/21/2023 9:49 AM      441917 DISÑO CONCEPTUAL.docx
-a----- 8/25/2023 9:50 AM      222890 Act_Integradora3_182451.docx
-a----- 8/25/2023 9:50 AM      291267 Act_Integradora3_182451.pdf
-a----- 8/25/2023 9:51 AM      152181 Act_Integradora2_182451.docx

```

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```
-a----      8/25/2023  9:51 AM      209528 Act_Integradora2_182451.pdf
-a----      8/26/2023 12:54 PM      781463 Act_Integradora4_182451.docx
-a----      8/26/2023 12:54 PM      1032136 Act_Integradora4_182451.pdf
-a----      8/26/2023  2:04 PM      5300258 InfografíaSQL_182451.pdf
-a----      8/28/2023  9:21 AM        2035 integradora5.txt
-a----      8/28/2023  9:21 AM        2035 integradora5.sql
-a----      8/28/2023  9:41 AM      138002 jardineria.sql
```

```
PS E:\PrograWeb\PrograWeb2\Parcial1> CD xampplite
PS E:\PrograWeb\PrograWeb2\Parcial1\xampplite> CD mysql
PS E:\PrograWeb\PrograWeb2\Parcial1\xampplite\mysql> CD bin
PS E:\PrograWeb\PrograWeb2\Parcial1\xampplite\mysql\bin> .\mysql -h localhost -u root -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 13
Server version: 5.1.41 Source distribution
```

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

```
mysql> select now();
+-----+
| now() |
+-----+
| 2023-08-29 10:09:13 |
+-----+
1 row in set (0.00 sec)
```

```
mysql> select version ();
+-----+
| version () |
+-----+
| 5.1.41 |
+-----+
1 row in set (0.01 sec)
```

```
mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| actividad_integradora5 |
| controleosc |
| ejercicio1 |
| jardineria |
| library |
| mysql |
| phpmyadmin |
| tienda |
| vetas |
| veterinaria |
+-----+
11 rows in set (0.00 sec)
```

```
mysql> use mysql;
Database changed
mysql> show tables;
```

```
+-----+
| Tables_in_mysql |
+-----+
| columns_priv |
| db |
| event |
| func |
| general_log |
| help_category |
| help_keyword |
| help_relation |
| help_topic |
| host |
| ndb_binlog_index |
| plugin |
| proc |
| procs_priv |
| servers |
| slow_log |
| tables_priv |
| time_zone |
| time_zone_leap_second |
| time_zone_name |
| time_zone_transition |
| time_zone_transition_type |
| user |
+-----+
23 rows in set (0.00 sec)
```

```
mysql> show fields from user;
```

```
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Host | char(60) | NO | PRI | | |
| User | char(16) | NO | PRI | | |
| Password | char(41) | NO | | | |
| Select_priv | enum('N','Y') | NO | | N | |
| Insert_priv | enum('N','Y') | NO | | N | |
| Update_priv | enum('N','Y') | NO | | N | |
| Delete_priv | enum('N','Y') | NO | | N | |
| Create_priv | enum('N','Y') | NO | | N | |
| Drop_priv | enum('N','Y') | NO | | N | |
| Reload_priv | enum('N','Y') | NO | | N | |
| Shutdown_priv | enum('N','Y') | NO | | N | |
| Process_priv | enum('N','Y') | NO | | N | |
| File_priv | enum('N','Y') | NO | | N | |
| Grant_priv | enum('N','Y') | NO | | N | |
| References_priv | enum('N','Y') | NO | | N | |
| Index_priv | enum('N','Y') | NO | | N | |
```

| | | | | | |
|-----------------------|-----------------------------------|----|------|--|--|
| Alter_priv | enum('N','Y') | NO | N | | |
| Show_db_priv | enum('N','Y') | NO | N | | |
| Super_priv | enum('N','Y') | NO | N | | |
| Create_tmp_table_priv | enum('N','Y') | NO | N | | |
| Lock_tables_priv | enum('N','Y') | NO | N | | |
| Execute_priv | enum('N','Y') | NO | N | | |
| Repl_slave_priv | enum('N','Y') | NO | N | | |
| Repl_client_priv | enum('N','Y') | NO | N | | |
| Create_view_priv | enum('N','Y') | NO | N | | |
| Show_view_priv | enum('N','Y') | NO | N | | |
| Create_routine_priv | enum('N','Y') | NO | N | | |
| Alter_routine_priv | enum('N','Y') | NO | N | | |
| Create_user_priv | enum('N','Y') | NO | N | | |
| Event_priv | enum('N','Y') | NO | N | | |
| Trigger_priv | enum('N','Y') | NO | N | | |
| ssl_type | enum('','ANY','X509','SPECIFIED') | NO | | | |
| ssl_cipher | blob | NO | NULL | | |
| x509_issuer | blob | NO | NULL | | |
| x509_subject | blob | NO | NULL | | |
| max_questions | int(11) unsigned | NO | 0 | | |
| max_updates | int(11) unsigned | NO | 0 | | |
| max_connections | int(11) unsigned | NO | 0 | | |
| max_user_connections | int(11) unsigned | NO | 0 | | |

39 rows in set (0.03 sec)

PRACTICA 2: (Crear una base de datos)

Teclea la siguiente secuencia de comandos y realiza una tabla resumen en la que indiques que es lo que hace cada línea de código sql separado por punto y coma:

1. create database discosnet;

```
mysql> create database discosnet;  
Query OK, 1 row affected (0.03 sec)
```

2. show databases;

```
mysql> show databases;  
+-----+  
| Database |  
+-----+  
| information_schema |  
| actividad_integradora5 |  
| controlesc |  
| discosnet |  
| ejercicio1 |  
| jardineria |  
| library |  
| mysql |  
| phpmyadmin |  
| tienda |  
| vetas |  
| veterinaria |  
+-----+  
12 rows in set (0.00 sec)
```

3. use discosnet;

```
mysql> use discosnet;  
Database changed
```

4. CREATE TABLE discos(iddisco INT unsigned auto_increment not null primary key, nombre tinytext, interprete tinytext, cds tinyint unsigned, precio float, stock smallint unsigned) ;

```
mysql> CREATE TABLE discos(iddisco INT unsigned auto_increment not null primary key, nombre tinytext, interprete tinytext, cds tinyint unsigned, precio float, stock smallint unsigned);  
Query OK, 0 rows affected (0.09 sec)
```

5. describe discos;

```
mysql> describe discos;  
+-----+-----+-----+-----+-----+-----+  
| Field | Type | Null | Key | Default | Extra |  
+-----+-----+-----+-----+-----+-----+  
| iddisco | int(10) unsigned | NO | PRI | NULL | auto_increment |  
| nombre | tinytext | YES | | NULL | |  
| interprete | tinytext | YES | | NULL | |  
| cds | tinyint(3) unsigned | YES | | NULL | |  
| precio | float | YES | | NULL | |  
| stock | smallint(5) unsigned | YES | | NULL | |  
+-----+-----+-----+-----+-----+-----+  
6 rows in set (0.03 sec)
```

6. rename table discos to discosbackup;

```
mysql> rename table discos to discosbackup;  
Query OK, 0 rows affected (0.03 sec)
```

7. show tables;


```
mysql> show tables;
+-----+
| Tables_in_discosnet |
+-----+
| discosbackup         |
+-----+
1 row in set (0.00 sec)

mysql>
```

8. describe discosbackup;

```
mysql> describe discosbackup;
+-----+-----+-----+-----+-----+-----+
| Field      | Type                                | Null | Key | Default | Extra           |
+-----+-----+-----+-----+-----+-----+
| iddisco    | int(10) unsigned                   | NO   | PRI | NULL    | auto_increment |
| nombre     | tinytext                           | YES  |     | NULL    |                 |
| interprete | tinytext                           | YES  |     | NULL    |                 |
| cds        | tinyint(3) unsigned                | YES  |     | NULL    |                 |
| precio     | float                              | YES  |     | NULL    |                 |
| stock      | smallint(5) unsigned               | YES  |     | NULL    |                 |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.03 sec)
```

9. create table prueba (id_prueba int);

```
mysql> create table prueba (id_prueba int);
Query OK, 0 rows affected (0.08 sec)
```

10. show tables;

```
mysql> show tables;
+-----+
| Tables_in_discosnet |
+-----+
| discosbackup        |
| prueba              |
+-----+
2 rows in set (0.02 sec)
```

11. insert into prueba (id_prueba) values (1);

```
mysql> insert into prueba (id_prueba) values (1);
Query OK, 1 row affected (0.02 sec)
```

12. insert into prueba (id_prueba) values (2);

```
mysql> insert into prueba (id_prueba) values (2);
Query OK, 1 row affected (0.00 sec)
```

13. insert into prueba (id_prueba) values (3);

```
mysql> insert into prueba (id_prueba) values (3);
Query OK, 1 row affected (0.00 sec)
```

14. select * from prueba;

```
mysql> select * from prueba;  
+-----+  
| id_prueba |  
+-----+  
|         1 |  
|         2 |  
|         3 |  
+-----+  
3 rows in set (0.00 sec)
```

15. drop table prueba;

```
mysql> drop table prueba;  
Query OK, 0 rows affected (0.06 sec)
```

16. drop table discos;

```
mysql> drop table prueba;  
Query OK, 0 rows affected (0.06 sec)
```

17. drop database discosnet;

```
mysql> drop database discosnet;  
Query OK, 1 row affected (0.08 sec)
```

```
mysql> create database discosnet;  
Query OK, 1 row affected (0.03 sec)
```

```
mysql> show databases;
```

```
+-----+  
| Database |  
+-----+  
| information_schema |  
| actividad_integradora5 |  
| controlesc |  
| discosnet |  
| ejercicio1 |  
| jardineria |  
| library |  
| mysql |  
| phpmyadmin |  
| tienda |  
| vetas |  
| veterinaria |  
+-----+  
12 rows in set (0.00 sec)
```

```
mysql> 3.use discosnet;  
mysql> use discosnet;  
Database changed
```

```
mysql> CREATE TABLE discos(iddisco INT unsigned auto_increment not null
primary key, nombre tinytext, interprete tinytext, cds tinyint unsigned, precio float,
stock smallint unsigned);
```

Query OK, 0 rows affected (0.09 sec)

```
mysql> describe discos;
```

| Field | Type | Null | Key | Default | Extra |
|------------|----------------------|------|-----|---------|----------------|
| iddisco | int(10) unsigned | NO | PRI | NULL | auto_increment |
| nombre | tinytext | YES | | NULL | |
| interprete | tinytext | YES | | NULL | |
| cds | tinyint(3) unsigned | YES | | NULL | |
| precio | float | YES | | NULL | |
| stock | smallint(5) unsigned | YES | | NULL | |

6 rows in set (0.03 sec)

```
mysql> rename table discos to discosbackup;
```

Query OK, 0 rows affected (0.03 sec)

```
mysql> show tables;
```

| Tables_in_discosnet |
|---------------------|
| discosbackup |

1 row in set (0.00 sec)

```
mysql> describe discosbackup;
```

| Field | Type | Null | Key | Default | Extra |
|------------|----------------------|------|-----|---------|----------------|
| iddisco | int(10) unsigned | NO | PRI | NULL | auto_increment |
| nombre | tinytext | YES | | NULL | |
| interprete | tinytext | YES | | NULL | |
| cds | tinyint(3) unsigned | YES | | NULL | |
| precio | float | YES | | NULL | |
| stock | smallint(5) unsigned | YES | | NULL | |

6 rows in set (0.03 sec)

```
mysql> create table prueba (id_prueba int);
```

Query OK, 0 rows affected (0.08 sec)

```
mysql> show tables;
```

```
+-----+  
| Tables_in_discosnet |  
+-----+  
| discosbackup      |  
| prueba           |  
+-----+  
2 rows in set (0.02 sec)
```

```
mysql> insert into prueba (id_prueba) values (1);  
Query OK, 1 row affected (0.02 sec)
```

```
mysql> insert into prueba (id_prueba) values (2);  
Query OK, 1 row affected (0.00 sec)
```

```
mysql> insert into prueba (id_prueba) values (3);  
Query OK, 1 row affected (0.00 sec)
```

```
mysql> select * from prueba;
```

```
+-----+  
| id_prueba |  
+-----+  
|      1 |  
|      2 |  
|      3 |  
+-----+  
3 rows in set (0.00 sec)
```

```
mysql> drop table prueba;  
Query OK, 0 rows affected (0.06 sec)
```

```
mysql> drop table discos;  
ERROR 1051 (42S02): Unknown table 'discos'  
mysql> drop database discosnet;  
Query OK, 1 row affected (0.08 sec)
```

```
mysql>
```

PRACTICA 3: (Crear e importar desde un script)

Coloca todos los comandos siguientes en un block de notas:

```
CREATE DATABASE EJERCICIO1;  
USE EJERCICIO1;  
CREATE TABLE departamentos (  
  dept_no TINYINT(2) NOT NULL,  
  dnombre VARCHAR(15),  
  loc VARCHAR(15)  
);
```

```
INSERT INTO departamentos VALUES (10,'CONTABILIDAD','SEVILLA');  
INSERT INTO departamentos VALUES (20,'INVESTIGACIÓN','MADRID');  
INSERT INTO departamentos VALUES (30,'VENTAS','BARCELONA');  
INSERT INTO departamentos VALUES (40,'PRODUCCIÓN','BILBAO');  
DESCRIBE DEPARTAMENTOS;
```

y guardalos en un archivo "archivo.sql en la carpeta raíz de tu memoria o disco duro, luego en mysql teclea "source c:\archivo.sql"

Verifica que se haya ejecutado. Envía por blackboard tu archivo sql y la pantalla de Windows en donde se ejecutó el script de sql.

| Field | Type | Null | Key | Default | Extra |
|---------|-------------|------|-----|---------|-------|
| dept_no | tinyint(2) | NO | | NULL | |
| dnombre | varchar(15) | YES | | NULL | |
| loc | varchar(15) | YES | | NULL | |

3 rows in set (0.03 sec)