

...21: /etc/mysql — ssh jfrancom@ssh.cs.dixie.edu -L 6571:cleopatra:6571 × ~ — root@www-thegummibear: ~ — ssh ◀ ssh yavin — 109x29 ~/Desktop — joe@yavin: ~ — -bash ... +

```
root@www-thegummibear:~# echo "now for a remote application test"
now for a remote application test
root@www-thegummibear:~# █
```



joe — root@www-thegummibear: ~ — ssh ◀ ssh yavin — 109x29

...21: /etc/mysql — ssh jfrancom@ssh.cs.dixie.edu -L 6571:cleopatra:6571

~ — root@www-thegummibear: ~ — ssh ◀ ssh yavin

~/Desktop — joe@yavin: ~ — -bash



```
root@www-thegummibear:~# apt install php-mysql
```

```
root@www-thegummibear:~# echo "That package will enable php and mysql to communicate"
```

```
That package will enable php and mysql to communicate
```

```
root@www-thegummibear:~# service apache2 restart
```

```
root@www-thegummibear:~# echo "Create a simple php test script or download mine from downloads folder"
```

```
Create a simple php test script or download mine from downloads folder
```

```
root@www-thegummibear:~# █
```

```
root@www-thegummibear:~# echo "Use an existing virtual host or create a new one"
Use an existing virtual host or create a new one
root@www-thegummibear:~# cd /var/www/html/twix.thegummibear.com/
root@www-thegummibear:/var/www/html/twix.thegummibear.com#
```



```
root@www-thegummibear:/var/www/html/twix.thegummibear.com# vi sample.php
```

```
<?php
$servername = "db.thegummibear.com";
$username = "hermoine";
$password = "Muggles99?";
$dbname = "hogwarts";

// Create connection
$conn = new mysqli($servername, $username, $password, $dbname);
// Check connection
if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
}

echo "Choosing the sql statement.<br/>";
$sql = "SELECT * FROM spells";
$result = $conn->query($sql);

if ($result->num_rows > 0) {
    // output data of each row
    while($row = $result->fetch_assoc()) {
        echo "spell number: " . $row["x"]. "<br/>";
    }
} else {
    echo "0 results";
}
$conn->close();
?>
```

~

"sample.php" 27L, 610C written

4,22

All



twix.thegummibear.com/sample.php

Connection failed: The server requested authentication method unknown to the client

```
root@www-thegummibear:/var/www/html/twix.thegummibear.com# echo "that is bad"
that is bad
root@www-thegummibear:/var/www/html/twix.thegummibear.com# echo "You can also test your script like this"
You can also test your script like this
root@www-thegummibear:/var/www/html/twix.thegummibear.com# php sample.php
PHP Warning: mysqli::__construct(): The server requested authentication method unknown to the client [caching_sha2_password] in /var/www/html/twix.thegummibear.com/sample.php on line 8
PHP Warning: mysqli::__construct(): (HY000/2054): The server requested authentication method unknown to the client in /var/www/html/twix.thegummibear.com/sample.php on line 8
Connection failed: The server requested authentication method unknown to the clientroot@www-thegummibear:/var/www/html/twix.thegummibear.com#
```



```
root@www-thegummibear:/var/www/html/twix.thegummibear.com# echo "To fix this error, we have to add our mysql user in a special way"
To fix this error, we have to add our mysql user in a special way
root@www-thegummibear:/var/www/html/twix.thegummibear.com#
```

```
[mysql> create user 'hermoine'@'www.thegummibear.com' identified with mysql_native_password by 'Muggles99?';  
Query OK, 0 rows affected (0.02 sec)
```

```
mysql> █
```

```
[mysql> create user 'hermoine'@'www.thegummibear.com' identified with mysql_native_password by 'Muggles99?';  
Query OK, 0 rows affected (0.02 sec)
```

```
[mysql> grant all privileges on hogwarts.* to 'hermoine'@'www.thegummibear.com';  
Query OK, 0 rows affected (0.01 sec)
```

```
mysql> █
```



twix.thegummibear.com/sample.php

Choosing the sql statement.

spell number: 1

spell number: 55

spell number: 595

spell number: 217

```
root@www-thegummibear:/var/www/html/twix.thegummibear.com# php sample.php  
Choosing the sql statement.<br/>spell number: 1<br/>spell number: 55<br/>spell number: 595<br/>spell number: 2  
17<br/>  
root@www-thegummibear:/var/www/html/twix.thegummibear.com#
```

...021: /etc/mysql — ssh jfrancom@ssh.cs.dixie.edu -L 6571:cleopatra:6571 | ...egummibear: /var/www/html/twix.thegummibear.com — ssh ◀ ssh yavin | ...joe@yavin: ~/f21/it3100/web/examples.examples — ssh ◀ ssh yavin | +

```
root@www-thegummibear:/var/www/html/twix.thegummibear.com# echo "Check for errors in /var/log/apache2/error.log"
Check for errors in /var/log/apache2/error.log
root@www-thegummibear:/var/www/html/twix.thegummibear.com#
```

```
[joe@db-2021:/etc/mysql]$ sudo less /var/log/mysql/error.log
```

```
[joe@db-2021:/etc/mysql]$ echo "Also here for your database"
```

```
Also here for your database
```

```
joe@db-2021:/etc/mysql$ █
```