Module 5.2 MySQL Install

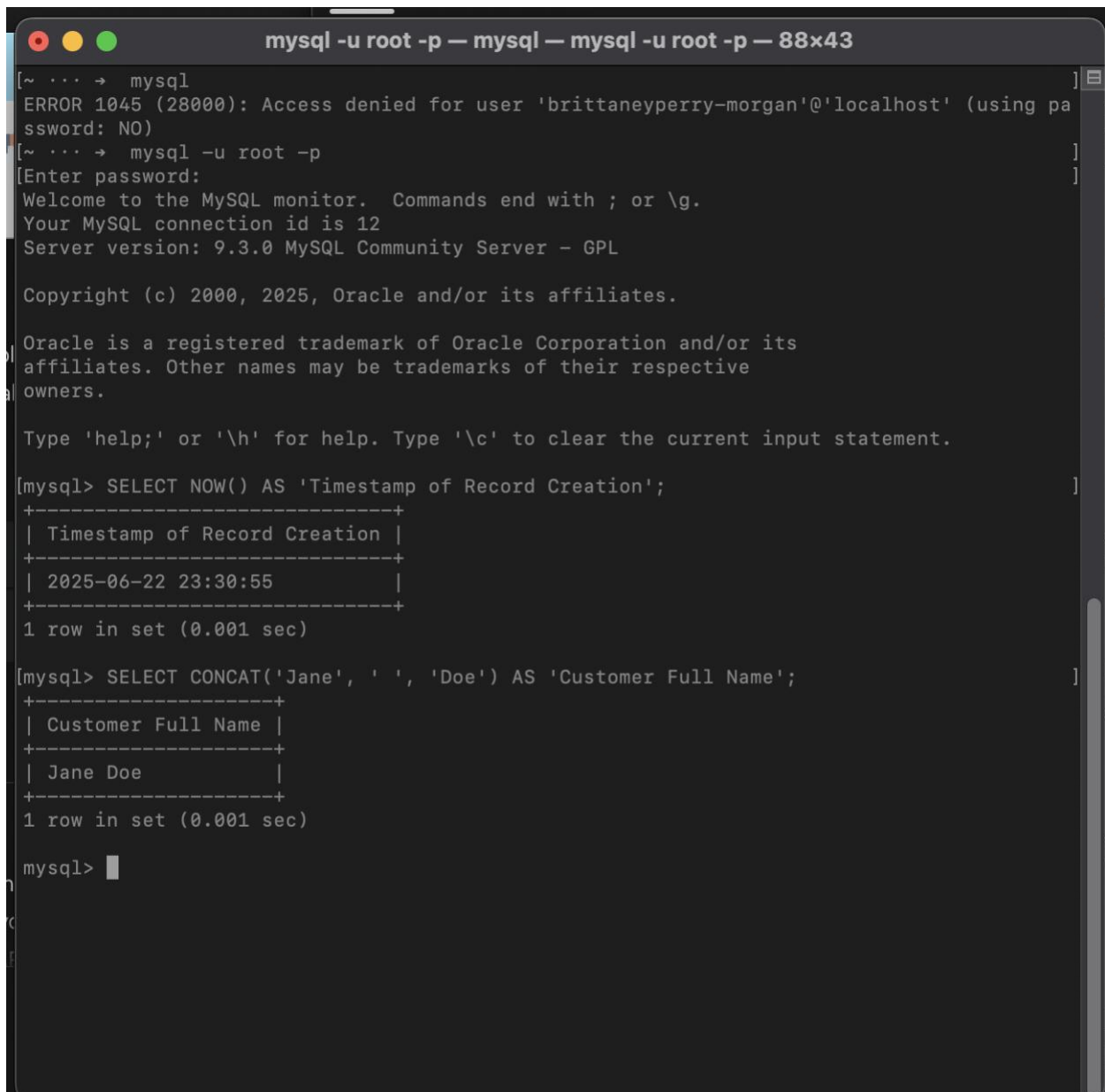S<small>PRING</small> 2025 CSD310 D<small>ATABASE</small> D<small>EVELOPMENT AND</small> U<small>SE</small>

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Date: Sunday, June 22nd, 2025

Module 5.2 MySQL Functions

1. Function: CONCAT()
   - The *CONCAT()* function is used to join two or more strings together into a single string. This is useful when you have data spread across multiple columns, like *first_name* and *last_name*, and you want to display it as a single, readable value, such as in a report or a mailing label.

2. Function: UCASE()
   - The *UCASE()* function (or its synonym *UPPER()*) converts characters in a string to uppercase. This is essential for data standardization. For example, if you have a *products* table where a product might be entered as 'laptop', 'Laptop', or 'LAPTOP', you can use *UCASE(product_name) = 'LAPTOP'* in a *WHERE* clause to find all variations. This helps make sure queries are consistent and don't miss any data.

```
mysql -u root -p — mysql — mysql -u root -p — 88×43

[~ ··· →  mysql —u root —p                                              ]
[Enter password:                                                        ]
 Welcome to the MySQL monitor.  Commands end with ; or \g.
 Your MySQL connection id is 13
 Server version: 9.3.0 MySQL Community Server — GPL

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 owners.

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

[mysql> SELECT UCASE('new york') AS 'Standardized Cityu Name';          ]
 +--------------------------+
 | Standardized Cityu Name |
 +--------------------------+
 | NEW YORK                 |
 +--------------------------+
 1 row in set (0.000 sec)

 mysql>
```
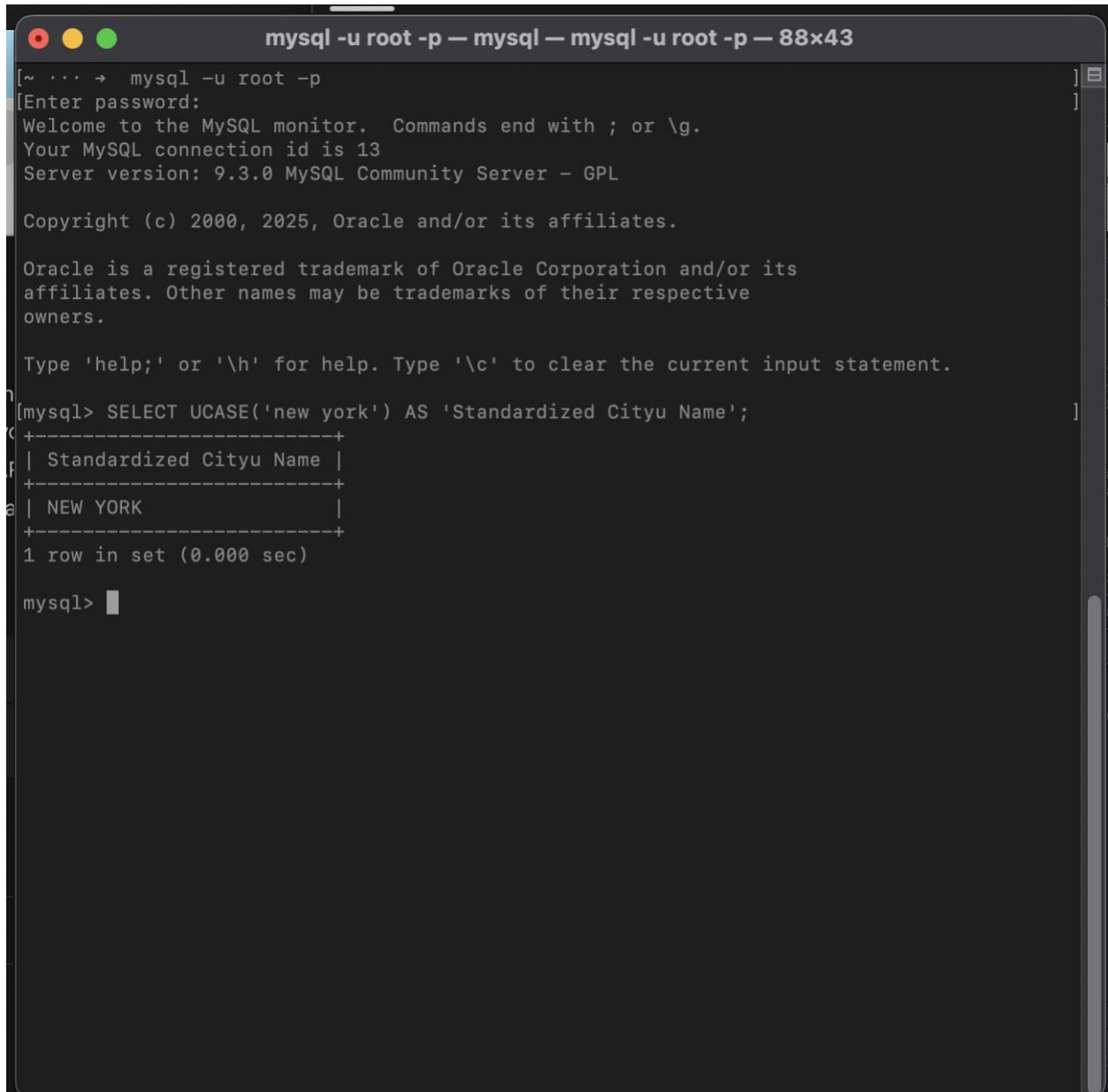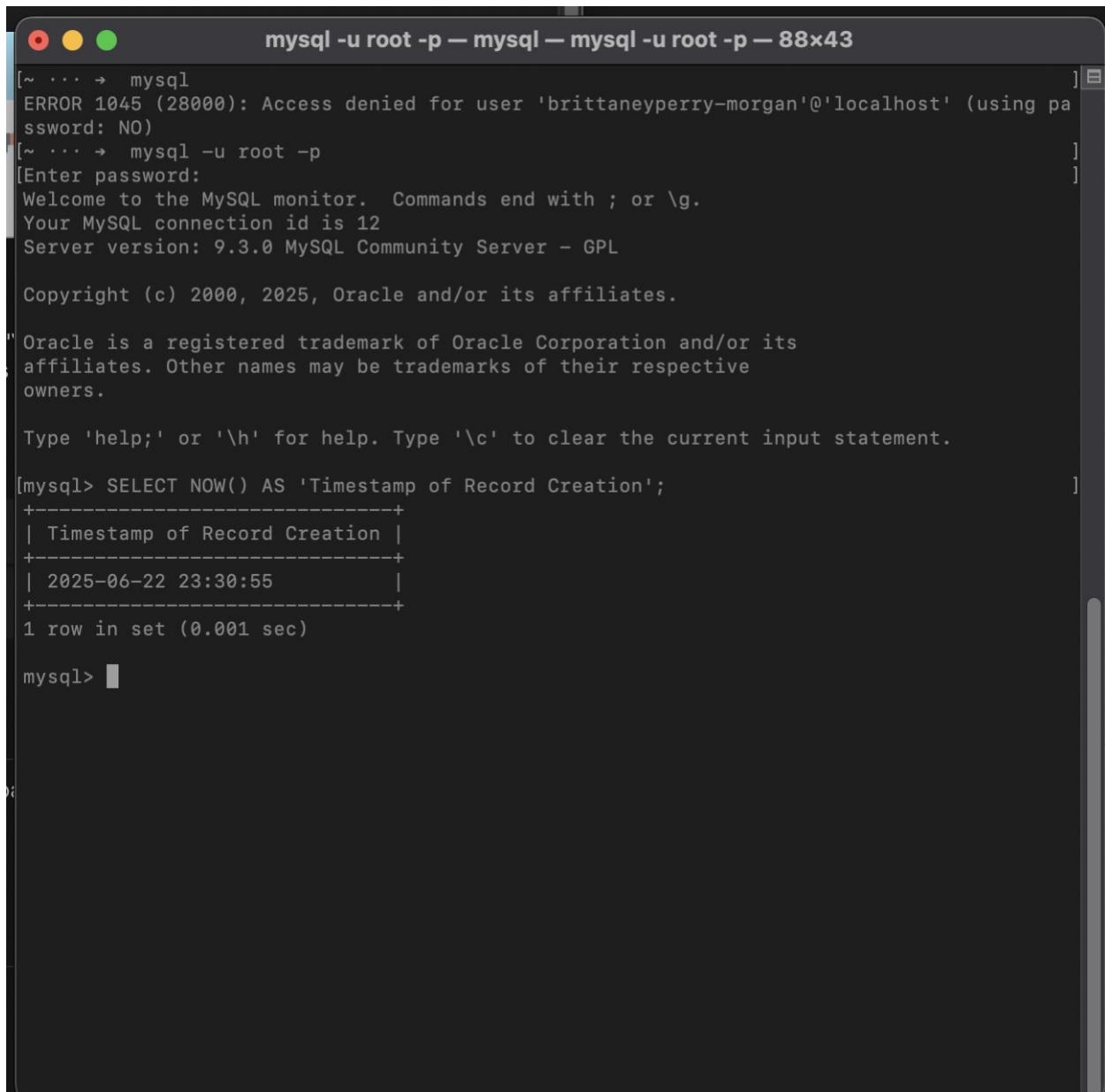
3. Function: NOW()

- The *NOW()* function returns the current date and time. This is a critical function for auditing and logging. You would use it to create timestamps for when a record is created or last modified, such as logging the exact moment a customer places an order or a user updates their profile information.


```
[~ ··· →  mysql                                                              ]
ERROR 1045 (28000): Access denied for user 'brittaneyperry-morgan'@'localhost' (using pa
ssword: NO)
[~ ··· →  mysql -u root -p                                                   ]
[Enter password:                                                             ]
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 12
Server version: 9.3.0 MySQL Community Server - GPL

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owners.

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

[mysql> SELECT NOW() AS 'Timestamp of Record Creation';                      ]
+------------------------------+
| Timestamp of Record Creation |
+------------------------------+
| 2025-06-22 23:30:55          |
+------------------------------+
1 row in set (0.001 sec)

mysql>
```