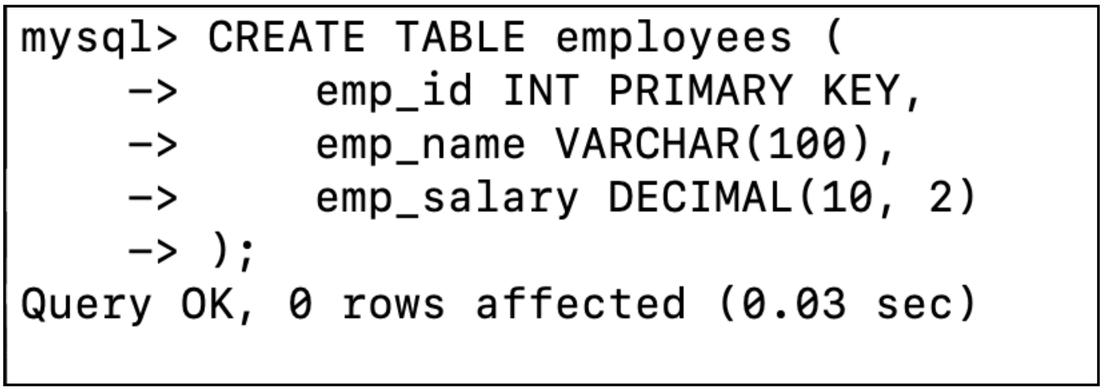
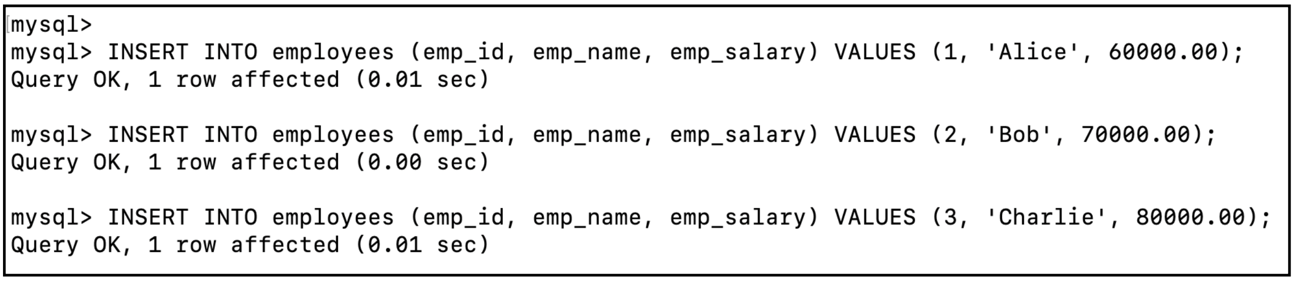
Exp-07



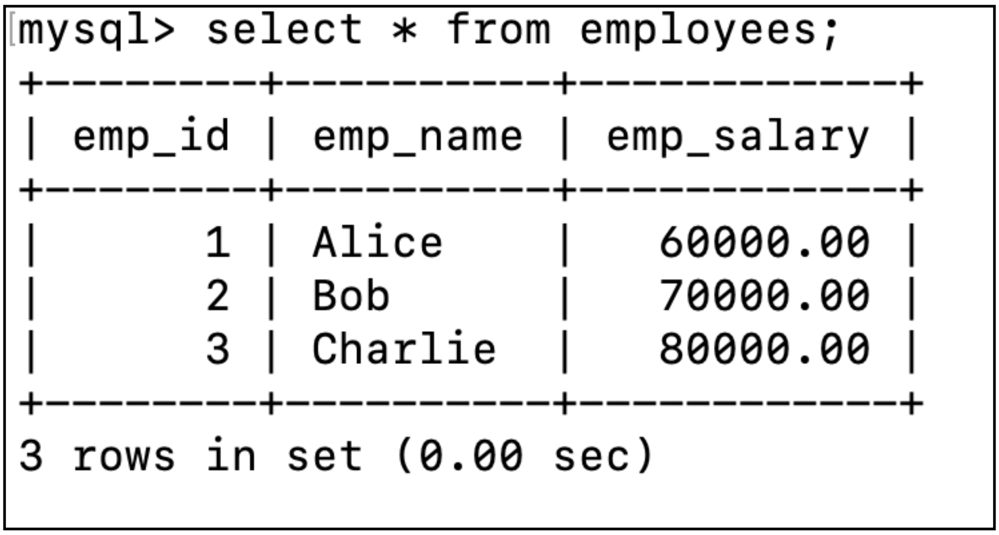
```
mysql> CREATE TABLE employees (
    ->     emp_id INT PRIMARY KEY,
    ->     emp_name VARCHAR(100),
    ->     emp_salary DECIMAL(10, 2)
    -> );
Query OK, 0 rows affected (0.03 sec)
```



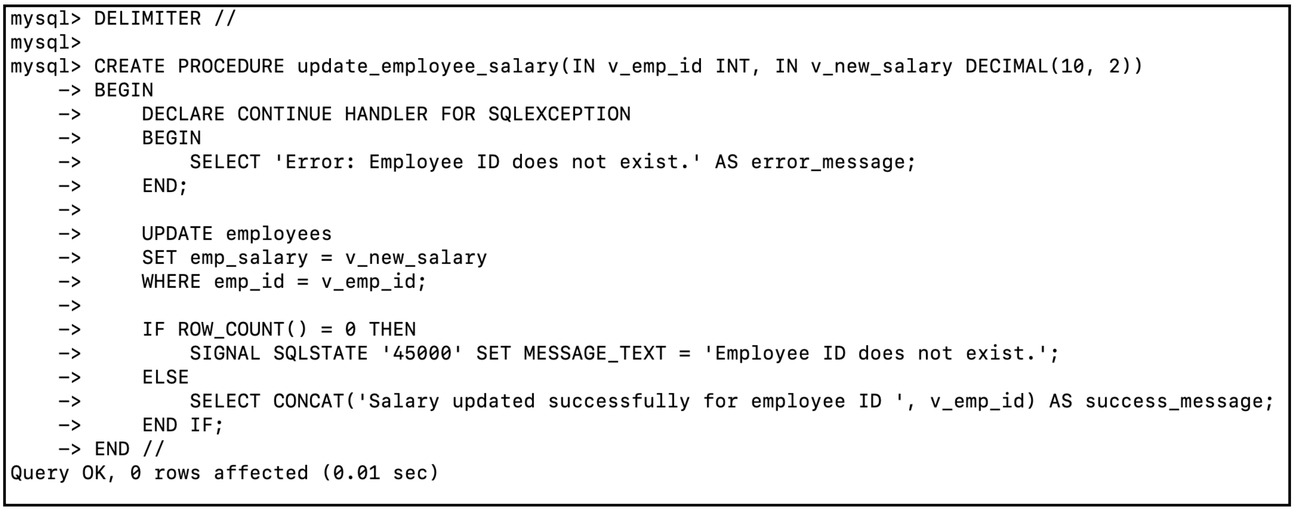
```
mysql>
mysql> INSERT INTO employees (emp_id, emp_name, emp_salary) VALUES (1, 'Alice', 60000.00);
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO employees (emp_id, emp_name, emp_salary) VALUES (2, 'Bob', 70000.00);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO employees (emp_id, emp_name, emp_salary) VALUES (3, 'Charlie', 80000.00);
Query OK, 1 row affected (0.01 sec)
```

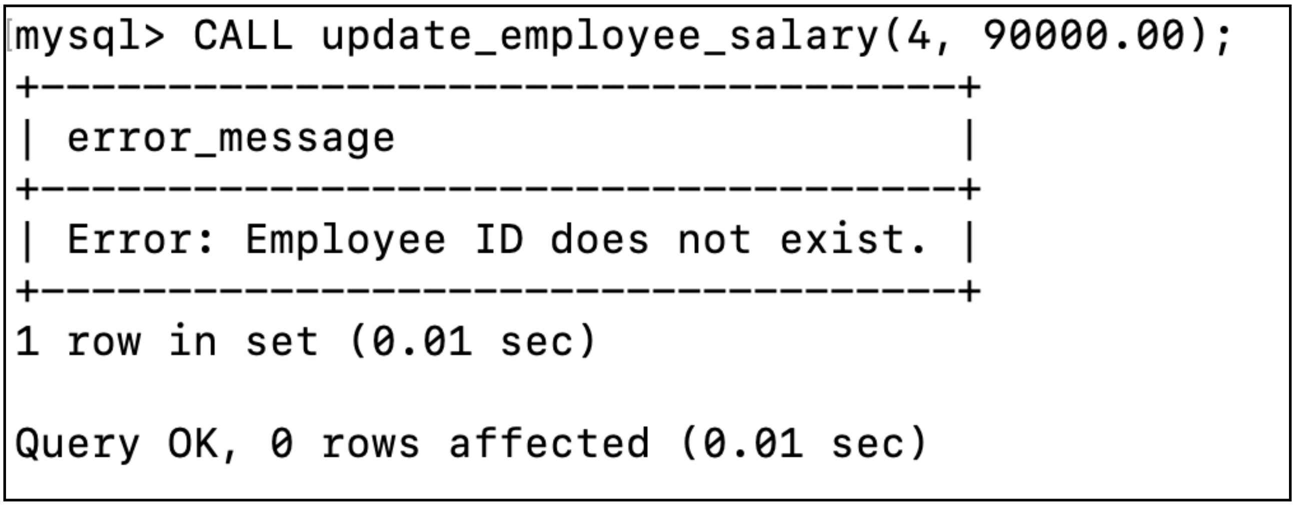


```
mysql> select * from employees;
+--------+----------+------------+
| emp_id | emp_name | emp_salary |
+--------+----------+------------+
|      1 | Alice    |   60000.00 |
|      2 | Bob      |   70000.00 |
|      3 | Charlie  |   80000.00 |
+--------+----------+------------+
3 rows in set (0.00 sec)
```



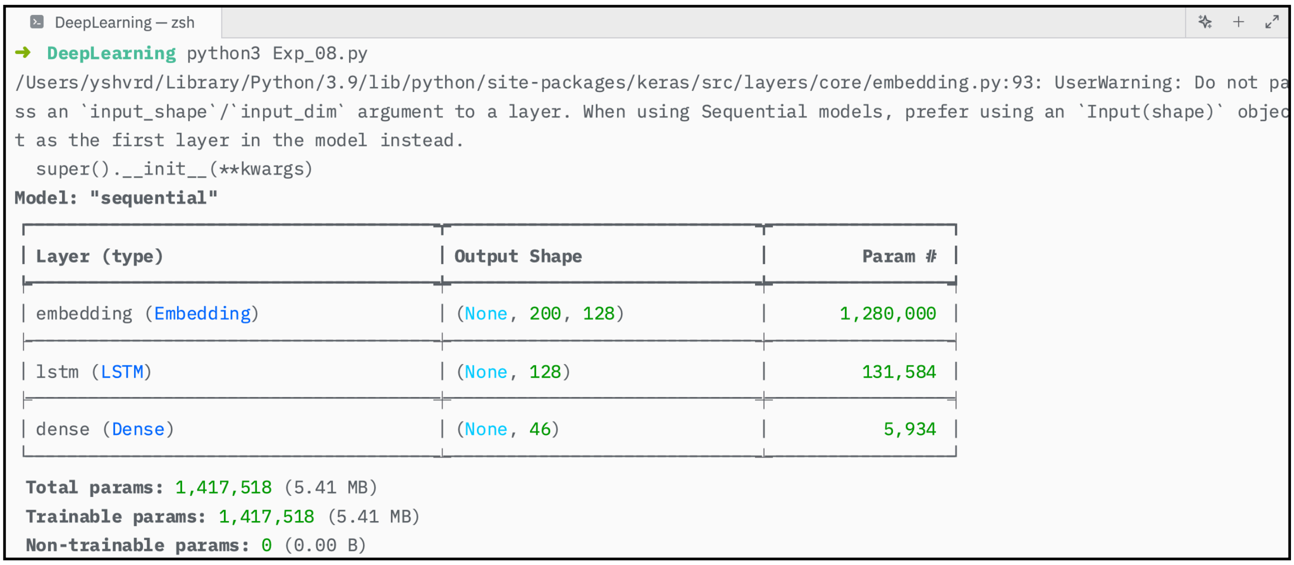
```
mysql> DELIMITER //
mysql>
mysql> CREATE PROCEDURE update_employee_salary(IN v_emp_id INT, IN v_new_salary DECIMAL(10, 2))
    -> BEGIN
    ->     DECLARE CONTINUE HANDLER FOR SQLEXCEPTION
    ->     BEGIN
    ->         SELECT 'Error: Employee ID does not exist.' AS error_message;
    ->     END;
    ->
    ->     UPDATE employees
    ->     SET emp_salary = v_new_salary
    ->     WHERE emp_id = v_emp_id;
    ->
    ->     IF ROW_COUNT() = 0 THEN
    ->         SIGNAL SQLSTATE '45000' SET MESSAGE_TEXT = 'Employee ID does not exist.';
    ->     ELSE
    ->         SELECT CONCAT('Salary updated successfully for employee ID ', v_emp_id) AS success_message;
    ->     END IF;
    -> END //
Query OK, 0 rows affected (0.01 sec)
```

Exp-07

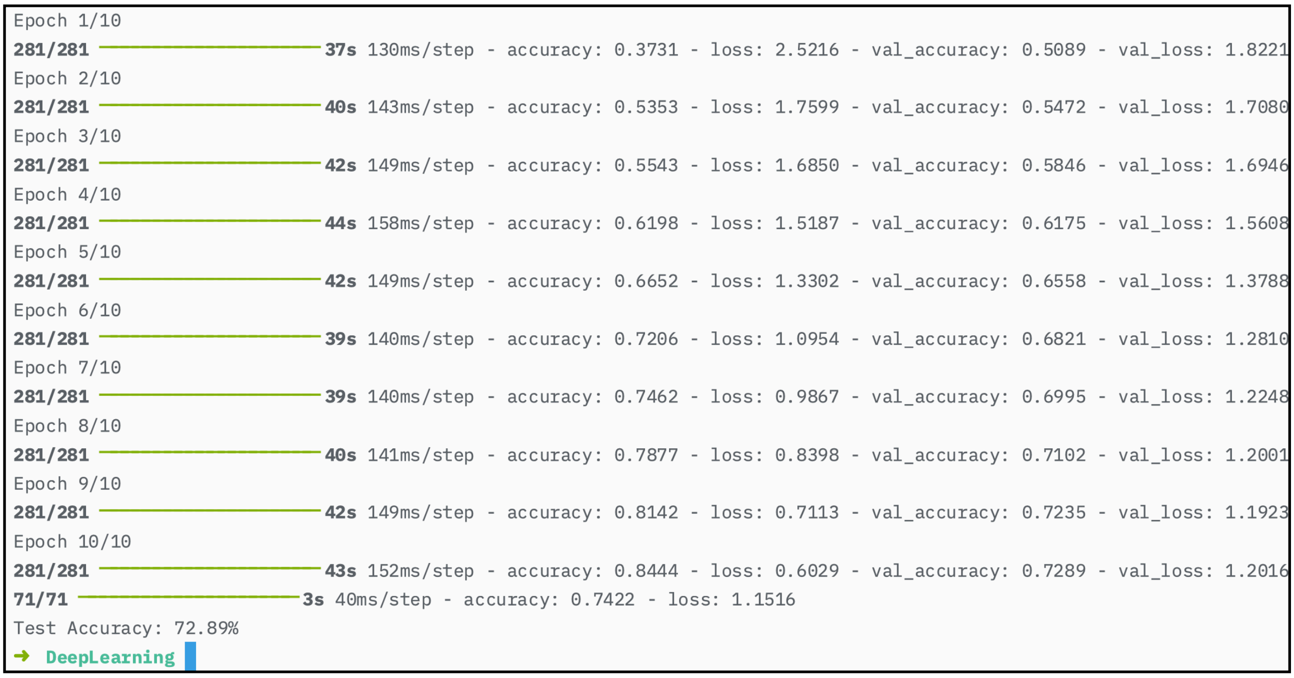


```
mysql> CALL update_employee_salary(4, 90000.00);
+-------------------------------------+
| error_message                       |
+-------------------------------------+
| Error: Employee ID does not exist.  |
+-------------------------------------+
1 row in set (0.01 sec)

Query OK, 0 rows affected (0.01 sec)
```



```
➜ DeepLearning python3 Exp_08.py
/Users/yshvrd/Library/Python/3.9/lib/python/site-packages/keras/src/layers/core/embedding.py:93: UserWarning: Do not pa
ss an `input_shape`/`input_dim` argument to a layer. When using Sequential models, prefer using an `Input(shape)` objec
t as the first layer in the model instead.
  super().__init__(**kwargs)
Model: "sequential"
┌───────────────────────────────────────┬──────────────────────────────┬─────────────────┐
│ Layer (type)                          │ Output Shape                 │         Param # │
├───────────────────────────────────────┼──────────────────────────────┼─────────────────┤
│ embedding (Embedding)                 │ (None, 200, 128)             │       1,280,000 │
├───────────────────────────────────────┼──────────────────────────────┼─────────────────┤
│ lstm (LSTM)                           │ (None, 128)                  │         131,584 │
├───────────────────────────────────────┼──────────────────────────────┼─────────────────┤
│ dense (Dense)                         │ (None, 46)                   │           5,934 │
└───────────────────────────────────────┴──────────────────────────────┴─────────────────┘
 Total params: 1,417,518 (5.41 MB)
 Trainable params: 1,417,518 (5.41 MB)
 Non-trainable params: 0 (0.00 B)
```



```
Epoch 1/10
281/281 ━━━━━━━━━━━━━━━━━━━━ 37s 130ms/step - accuracy: 0.3731 - loss: 2.5216 - val_accuracy: 0.5089 - val_loss: 1.8221
Epoch 2/10
281/281 ━━━━━━━━━━━━━━━━━━━━ 40s 143ms/step - accuracy: 0.5353 - loss: 1.7599 - val_accuracy: 0.5472 - val_loss: 1.7080
Epoch 3/10
281/281 ━━━━━━━━━━━━━━━━━━━━ 42s 149ms/step - accuracy: 0.5543 - loss: 1.6850 - val_accuracy: 0.5846 - val_loss: 1.6946
Epoch 4/10
281/281 ━━━━━━━━━━━━━━━━━━━━ 44s 158ms/step - accuracy: 0.6198 - loss: 1.5187 - val_accuracy: 0.6175 - val_loss: 1.5608
Epoch 5/10
281/281 ━━━━━━━━━━━━━━━━━━━━ 42s 149ms/step - accuracy: 0.6652 - loss: 1.3302 - val_accuracy: 0.6558 - val_loss: 1.3788
Epoch 6/10
281/281 ━━━━━━━━━━━━━━━━━━━━ 39s 140ms/step - accuracy: 0.7206 - loss: 1.0954 - val_accuracy: 0.6821 - val_loss: 1.2810
Epoch 7/10
281/281 ━━━━━━━━━━━━━━━━━━━━ 39s 140ms/step - accuracy: 0.7462 - loss: 0.9867 - val_accuracy: 0.6995 - val_loss: 1.2248
Epoch 8/10
281/281 ━━━━━━━━━━━━━━━━━━━━ 40s 141ms/step - accuracy: 0.7877 - loss: 0.8398 - val_accuracy: 0.7102 - val_loss: 1.2001
Epoch 9/10
281/281 ━━━━━━━━━━━━━━━━━━━━ 42s 149ms/step - accuracy: 0.8142 - loss: 0.7113 - val_accuracy: 0.7235 - val_loss: 1.1923
Epoch 10/10
281/281 ━━━━━━━━━━━━━━━━━━━━ 43s 152ms/step - accuracy: 0.8444 - loss: 0.6029 - val_accuracy: 0.7289 - val_loss: 1.2016
71/71 ━━━━━━━━━━━━━━━━━━━━ 3s 40ms/step - accuracy: 0.7422 - loss: 1.1516
Test Accuracy: 72.89%
➜ DeepLearning
```

Exp-07