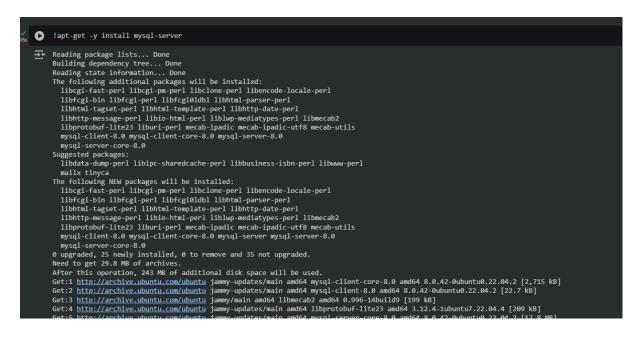
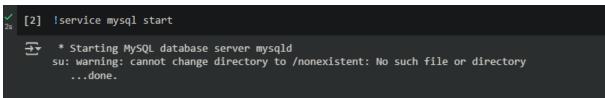
Avaliação 07 de Banco de Dados

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```
sql_script = """
        CREATE DATABASE IF NOT EXISTS empresa;
        USE empresa;
        CREATE TABLE funcionarios (
            id INT AUTO_INCREMENT PRIMARY KEY,
            nome VARCHAR(100),
           salario DECIMAL(10,2)
        DELIMITER //
        CREATE FUNCTION calcular_bonus (sal DECIMAL(10,2))
        RETURNS DECIMAL(10,2)
        DETERMINISTIC
        BEGIN
            RETURN sal * 0.10;
        END//
        DELIMITER;
        DELIMITER //
        CREATE PROCEDURE adicionar_funcionario (
           IN p_nome VARCHAR(100),
            IN p_salario DECIMAL(10,2)
        BEGIN
            INSERT INTO funcionarios (nome, salario) VALUES (p_nome, p_salario);
        END//
        DELIMITER;
        CALL adicionar_funcionario('Maria Clara', 3000.00);
        SELECT nome, salario, calcular_bonus(salario) AS bonus
        FROM funcionarios:
```

```
"""
with open("setup.sql", "w") as f:
  f.write(sql_script)
```

```
!mysql -u root -proot < setup.sql</pre>
   ⇒ mysql: [Warning] Using a password on the command line interface can be insecure.
              salario bonus
       Maria Clara 3000.00 300.00
[6] pip install mysql-connector-python

→ Collecting mysql-connector-python
        Downloading mysql_connector_python-9.4.0-cp311-cp311-manylinux_2_28_x86_64.whl.metadata (7.3 kB)
       Installing collected packages: mysql-connector-python Successfully installed mysql-connector-python-9.4.0 \,
√ [13] import mysql.connector
       # Conectando ao banco
       conn= mysql.connector.connect(
         host= "localhost",
          user="root",
          password="root",
          database="empresa"
       cursor = conn.cursor()
√ [14] def adicionar_funcionario(nome, salario):
           cursor.callproc('adicionar_funcionario', [nome, salario])
           conn.commit()
       adicionar_funcionario('Carlos Silva', 4000.00)
```

```
[15] cursor.execute("""

SELECT nome, salario, calcular_bonus(salario) AS bonus

FROM funcionarios
""")

for row in cursor.fetchall():
    print(row)

('Maria Clara', Decimal('3000.00'), Decimal('300.00'))
('Carlos Silva', Decimal('4000.00'), Decimal('400.00'))

cursor.close()

conn.close()
```