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• Perguntas e respostas sobre o codificador de frases universais multilíngue: use um modelo de machine learning para responder a perguntas do conjunto de dados SQuAD.  
• Interpolação de vídeo: preveja o que aconteceu em um vídeo entre o primeiro e o último frames.
```

```
[8] !apt-get -y install mysql-server  
!pip install mysql-connector-python  
  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
mysql-server is already the newest version (8.0.42-0ubuntu0.22.04.2).  
0 upgraded, 0 newly installed, 0 to remove and 35 not upgraded.  
Requirement already satisfied: mysql-connector-python in /usr/local/lib/python3.11/dist-packages (9.3.0)
```

```
[9] !service mysql start  
  
* Starting MySQL database server mysqld  
...done.
```

```
[10] !mysql -e 'ALTER USER 'root'@'localhost' IDENTIFIED WITH 'mysql_native_password' BY 'root'; FLUSH PRIVILEGES;'
```

```
[11] import mysql.connector  
conn = mysql.connector.connect(  
    host="localhost",  
    user="root",  
    password="root"  
)  
cursor = conn.cursor()
```

```
[12] cursor.execute("CREATE DATABASE IF NOT EXISTS empresa")  
cursor.execute("USE empresa")
```

```
[13] cursor.execute("""  
    CREATE TABLE IF NOT EXISTS funcionarios (  
        id INT AUTO_INCREMENT PRIMARY KEY,  
        nome VARCHAR(100),  
        salario DECIMAL(10,2)  
    )  
""")
```

```
[14] cursor.execute("DROP FUNCTION IF EXISTS calcular_bonus")  
cursor.execute("""  
    CREATE FUNCTION calcular_bonus (sal DECIMAL(10,2))  
    RETURNS DECIMAL(10,2)  
    DETERMINISTIC  
    BEGIN  
        RETURN sal * 0.10;  
    END  
""")
```

```
[15] cursor.execute("DROP PROCEDURE IF EXISTS adicionar_funcionario")  
cursor.execute("""  
    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  
""")
```

```
[16] cursor.callproc('adicionar_funcionario', ['Maria Clara', 3000.00])  
conn.commit()
```

```
[17] cursor.execute("SELECT nome, salario, calcular_bonus(salario) AS bonus FROM funcionarios")  
for (nome, salario, bonus) in cursor.fetchall():  
    print(f"{nome} | Salário: R${salario} | Bônus: R${bonus}")
```

```
Maria Clara | Salário: R$3000.00 | Bônus: R$300.00
```

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P4-Informática