

Iniciando servidor sql:

```
[1] !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)
  Downloading mysql_connector_python-9.4.0-cp311-cp311-manylinux_2_28_x86_64.whl (33.9 MB)
    33.9/33.9 MB 33.0 MB/s eta 0:00:00
Installing collected packages: mysql-connector-python
Successfully installed mysql-connector-python-9.4.0

[2] !apt-get -y install mysql-server

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.

[4] !service mysql start

* Starting MySQL database server mysqld
...done.

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

Linhas de execução do python para atualizar o banco de dados:

```
import mysql.connector

# Conectando ao banco
conn = mysql.connector.connect(
    host="localhost",
    user="root",
    password="bd_rules"
)
cursor = conn.cursor()

cursor.execute("CREATE DATABASE IF NOT EXISTS empresa")

# Switch to the 'library' database
cursor.execute("USE empresa")

# Create the 'books' table
cursor.execute('''
CREATE TABLE IF NOT EXISTS funcionarios (
    id INT AUTO_INCREMENT PRIMARY KEY,
    nome VARCHAR(100),
    salario DECIMAL(10,2)
)
''')

def calcular_bonus(salario):
    return salario * 0.1

def adicionar_funcionario(nome, salario):
    cursor.execute("INSERT INTO funcionarios (nome, salario) VALUES (%s, %s)", (nome, salario))
    conn.commit()

adicionar_funcionario('Andre Almeida', 10000.00)
adicionar_funcionario('João Silva', 15000.00)
adicionar_funcionario('Maria Santos', 20000.00)

cursor.execute("""
    SELECT nome, salario, calcular_bonus(salario) AS bonus
    FROM funcionarios
""")
for row in cursor.fetchall():
    print(row)
cursor.close()
conn.close()
```

depois de algumas execuções de Teste e adicionando funcionarios ao banco de dados nos temos está saída:

```
('Carlos Silva', Decimal('4000.00'), Decimal('400.00'))  
( 'Carlos Silva', Decimal('4000.00'), Decimal('400.00'))  
( 'Cayque Ferreira', Decimal('10000.00'), Decimal('1000.00'))  
( 'Andre Almeida', Decimal('10000.00'), Decimal('1000.00'))  
( 'João Silva', Decimal('15000.00'), Decimal('1500.00'))  
( 'Maria Santos', Decimal('20000.00'), Decimal('2000.00'))
```