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* Starting MySQL database server mysqld su: warning: cannot change directory to /nonexistent: No such file or directory ...done.

```
Setting up libcgi-fast-perl (1:2.15-1) ...
Processing triggers for man-db (2.10.2-1) ...
Processing triggers for libc-bin (2.35-0ubuntu3.8) ...
/sbin/ldconfig.real: /usr/local/lib/libtcm.so.1 is not a symbolic link
/sbin/ldconfig.real: /usr/local/lib/libur_adapter_level_zero_v2.so.0 is not a symbolic link
/sbin/ldconfig.real: /usr/local/lib/libtbbmalloc.so.2 is not a symbolic link
/sbin/ldconfig.real: /usr/local/lib/libtcm_debug.so.1 is not a symbolic link
/sbin/ldconfig.real: /usr/local/lib/libtbbbind_2_0.so.3 is not a symbolic link
/sbin/ldconfig.real: /usr/local/lib/libtbbbind_2_5.so.3 is not a symbolic link
/sbin/ldconfig.real: /usr/local/lib/libur_loader.so.0 is not a symbolic link
/sbin/ldconfig.real: /usr/local/lib/libur_adapter_opencl.so.0 is not a symbolic link
/sbin/ldconfig.real: /usr/local/lib/libtbbmalloc proxy.so.2 is not a symbolic link
/sbin/ldconfig.real: /usr/local/lib/libur_adapter_level_zero.so.0 is not a symbolic link
/sbin/ldconfig.real: /usr/local/lib/libtbb.so.12 is not a symbolic link
/sbin/ldconfig.real: /usr/local/lib/libhwloc.so.15 is not a symbolic link
/sbin/ldconfig.real: /usr/local/lib/libumf.so.0 is not a symbolic link
```

```
import mysql.connector

# Connect to MySQL
conn = mysql.connector.connect(
    host="localhost",
    user="root",
    password="123"
)

cursor = conn.cursor()

# Execute SQL commands
cursor.execute("CREATE DATABASE IF NOT EXISTS empresa;")
cursor.execute("USE empresa;")
cursor.execute("CREATE TABLE IF NOT EXISTS funcionarios (id INT AUTO_INCREMENT PRIMARY KEY, nome VARCHAR(100), salario DECIMAL(10,2));")

print("Database 'empresa' and table 'funcionarios' created successfully!")

# Close the connection
cursor.close()
conn.close()

Database 'empresa' and table 'funcionarios' created successfully!
```

```
import mysql.connector
# Connect to MySQL
conn = mysql.connector.connect(
    host="localhost",
    user="root",
    password="123", # Use the password you set for the root user
    database="empresa" # Specify the database
cursor = conn.cursor()
# Execute SQL command to create the function
try:
    cursor.execute("""
    CREATE FUNCTION calcular_bonus (sal DECIMAL(10,2))
    RETURNS DECIMAL(10,2)
    DETERMINISTIC
        RETURN sal * 0.10;
    END
    """)
    print("Function 'calcular_bonus' created successfully!")
except mysql.connector.Error as err:
    print(f"Failed to create function: {err}")
```

```
[12] # Close the connection
    cursor.close()
    conn.close()
→ Function 'calcular_bonus' created successfully!
0
    import mysql.connector
     # Connect to MySQL
     conn = mysql.connector.connect(
        host="localhost",
        user="root",
         password="123", # Use the password you set for the root user
        database="empresa" # Specify the database
    cursor = conn.cursor()
     # Execute SQL command to create the procedure
     try:
         cursor.execute("""
         CREATE PROCEDURE adicionar_funcionario (
             IN p nome VARCHAR(100),
            IN p_salario DECIMAL(10,2)
```

```
import mysql.connector
# Connect to MySQL
conn = mysql.connector.connect(
    host="localhost",
    user="root",
    password="123", # Use the password you set for the root user
    database="empresa" # Specify the database
cursor = conn.cursor()
# Execute the stored procedure
try:
    cursor.callproc("adicionar_funcionario", ('Maria Clara', 3000.00))
    conn.commit() # Commit the transaction to save the changes
    print("Employee added successfully using the stored procedure!")
except mysql.connector.Error as err:
    print(f"Failed to call stored procedure: {err}")
# Close the connection
cursor.close()
conn.close()
Employee added successfully using the stored procedure!
```

```
▶ import mysql.connector
    # Connect to MySQL
    conn = mysql.connector.connect(
       host="localhost",
        user="root",
       password="123", # Use the password you set for the root user
        database="empresa" # Specify the database
    cursor = conn.cursor()
    # Execute the SELECT query
        cursor.execute("SELECT nome, salario, calcular_bonus(salario) AS bonus FROM funcionarios;")
        print("Employee Data with Bonus:")
        print("-" * 30)
        for (nome, salario, bonus) in cursor:
           print(f"Nome: {nome}, Salario: {salario}, Bonus: {bonus}")
        print("-" * 30)
    except mysql.connector.Error as err:
        print(f"Failed to execute query: {err}")
```

```
# Close the connection
cursor.close()
conn.close()

Employee Data with Bonus:

Nome: Maria Clara, Salario: 3000.00, Bonus: 300.00

[21] import mysql.connector

# Conectando ao banco
conn = mysql.connector.connect(
    host="localhost",
    user="root",
    password="123",
    database="empresa"
)
cursor = conn.cursor()
```