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Report 1: Employee hours

import mysql.connector

from mysql.connector import errorcode

config = {

"user": "root",

"password": "password",

"host": "localhost",

"port": 3306,

"database": "Movies",

"raise\_on\_warnings": True

}

try:

# Create database connection

db = mysql.connector.connect(\*\*config)

print("\nDatabase user {} connected to MySQL on host {} with database {}".format("root", "127.0.0.1", "movies"))

cursor = db.cursor()

# Execute query to retrieve employee work hours data

query = """

SELECT e.name AS 'Employee Name', eh.overtime\_hours AS 'Overtime Hours', eh.hours\_worked AS 'Total Hours Worked'

FROM Employees e

INNER JOIN EmployeeHours eh ON e.employee\_id = eh.employee\_id

"""

cursor.execute(query)

# Get all rows from the result set

employee\_work\_hours = cursor.fetchall()

# Print Employee Work Hours Report

print("\nEmployee Work Hours Report:")

for row in employee\_work\_hours:

print("Employee Name: {}, Overtime Hours: {}, Total Hours Worked: {}".format(row[0], row[1], row[2]))

except mysql.connector.Error as err:

if err.errno == errorcode.ER\_ACCESS\_DENIED\_ERROR:

print("Error: Access denied. Please check your username and password.")

elif err.errno == errorcode.ER\_BAD\_DB\_ERROR:

print("Error: Database does not exist.")

else:

print(err)

finally:

if 'db' in locals() and db.is\_connected():

cursor.close()

db.close()

Report 2: Sales

import mysql.connector

conn = mysql.connector.connect(user='root', password='', host='localhost', database='bacchuswinery')

cursor = conn.cursor()

query = "SELECT `Product Ratings` FROM `Sales Review` WHERE `Product Ratings` LIKE '%Merlot%';"

cursor.execute(query)

results = cursor.fetchall()

print("Product Ratings for Merlot:")

for row in results:

print(row[0])

cursor.close()

conn.close()

import mysql.connector

conn = mysql.connector.connect(user='root', password='', host='localhost', database='bacchuswinery')

cursor = conn.cursor()

query = "SELECT `Product Ratings` FROM `Sales Review` WHERE `Product Ratings` LIKE '%Chablis%';"

cursor.execute(query)

results = cursor.fetchall()

print("Product Ratings for Chablis:")

for row in results:

print(row[0])

cursor.close()

conn.close()

Report 3:Warehouse

import mysql.connector

from mysql.connector import errorcode

config = {

"user":"root",

"password":"Dang1khoa1!!",

"host":"127.0.0.1",

"database": "bacchus",

"raise\_on\_warnings": True

}

try:

db = mysql.connector.connect(\*\*config)

print("\n Database user {} connected to MySQL on host {} with database {}". format(config["user"], config["host"], config["database"]))

cursor = db.cursor()

create\_tables\_query =[

"""

CREATE Table Products(

supplier varchar(255),

item varchar(255),

item\_id int,

qty int,

date\_received DATE,

)

""",

"""

CREATE table Distribution (

distribututor varchar(255),

wine\_id int,

out\_for\_delivery\_date DATE,

delivery\_date DATE,

received\_by varchar(255),

)

"""

]

for query in create\_tables\_query:

cursor.execute(query)

db.commit()

product\_data=[

("ULine", "Bottles", "001","1000","4/1/2024"),

("ULine", "Cork", "021","1000","4/1/2024"),

("Staples", "Labels", "654","5000","4/6/2024"),

("Staples", "Boxes", "456","5000","4/6/2024"),

("Harbor Freight", "tubing", "141","500","5/5/2024"),

("Harbor Freight", "vats", "121","100","5/5/2024"),

("ULine", "Bottles", "001","1000","4/15/2024"),

("ULine", "Cork", "021","1000","4/15/2024"),

("Staples", "Labels", "654","5000","4/20/2024"),

("Staples", "Boxes", "456","5000","4/20/2024"),

("Harbor Freight", "Bottles", "141","500","5/19/2024"),

("Harbor Freight", "Bottles", "121","250","5/19/2024"),

]

distribution\_data=[

("UPS","2324","5/20/2024","6/3/2024","Will"),

("UPS","3678","5/27/2024","6/4/2024","John"),

("UPS","7982","6/6/2024","6/20/2024","James"),

("UPS","8990","6/7/2024","6/20/2024","Jason"),

]

cursor.executemany("INSERT INTO Products (supplier,item,item\_id,qty,date\_received)", product\_data)

cursor.executemany("INSERT INTO Distribution(distributor,wine\_id, out\_for\_delivery\_date, delivery\_date, received\_by)", distribution\_data)

db.commit()

except mysql.connector.Error as err:

if err.errno == errorcode.ER\_ACCESS\_DENIED\_EERROR:

print(" The spcified username or password are invalid")

elif err.errno == errorcode.ER\_BAD\_DB\_ERROR:

print(" The spcified database does not exist")

else:

print (err)

finally:

db.close()