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Milestone# 3

Group Name: Bravo

Case Study: Outland Adventures

import mysql.connector

from datetime import datetime, timedelta

mydb = mysql.connector.connect(

host="localhost",

user="root",

passwd="H$8PjYFU",

database="outland\_adventures"

)

#CHECK DATABASE CONNECTION

# print("Connection worked")

# print(mydb)

mycursor = mydb.cursor()

def generateDate():

dateObj = datetime.now()

timestamp = dateObj.strftime("%Y-%m-%d %H:%M:%S")

print("Report generated:", timestamp)

generateDate()

#Do enough customers buy equipment to keep equipment sales?

#2022 Equipment Purchases

print("\nReport One\nEquipment Purchase Sales")

print("\n2022 Purchases")

sumpurchase2022 = '''

SELECT SUM(amount) from equipment\_purchase

WHERE date BETWEEN '2022.01.01' AND '2022.12.31'

'''

mycursor.execute(sumpurchase2022)

equipPur22 = mycursor.fetchone()

print("Total equipment purchases for this year: $", equipPur22[0])

#2021 Equipment Purchases

print("\n2021 Purchases")

sumpurchase2021 = '''

SELECT SUM(amount) from equipment\_purchase

WHERE date BETWEEN '2021.01.01' AND '2021.12.31'

'''

mycursor.execute(sumpurchase2021)

equipPur21 = mycursor.fetchone()

print("Total equipment purchases for this year: $", equipPur21[0])

#2020 Equipment Purchases

print("\n2020 Purchases")

sumpurchase2020 = '''

SELECT SUM(amount) from equipment\_purchase

WHERE date BETWEEN '2020.01.01' AND '2020.12.31'

'''

mycursor.execute(sumpurchase2020)

equipPur20 = mycursor.fetchone()

print("Total equipment purchases for this year: $", equipPur20[0])

#Is there anyone of those locations that has a downward trend in bookings?

print("\nReport Two\nDownward Trends")

downward = '''

SELECT region, hike, YEAR(dateStart), (customersBooked/customersAllowed) \* 100 AS PERCENT\_BOOKED

FROM trek

ORDER BY

region, hike

'''

mycursor.execute(downward)

result4 = mycursor.fetchall()

for result in result4:

print(result[0:])

#Are there inventory items that are over five years old?

print("\nReport Three\nMerchandise over 5 years\n")

oldmerch = '''SELECT equip\_id, equipName, purchaseDate

FROM equipment\_inventory

WHERE purchaseDate <= DATE\_SUB(NOW(),INTERVAL 5 YEAR)

'''

mycursor.execute(oldmerch)

for result in mycursor:

print(result)