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In [3]: import mysql.connector

# Create function to use for reading data
def read_db(query):
    cursor = connection.cursor()
    cursor.execute(query)
    result = cursor.fetchall()
    return result

# This script is an example and will not run without the specific MySQL database

# Create a connection object
connection = mysql.connector.connect(host="localhost",user="root",passwd="password",database="Marketing")

# Create a query string
query = "SELECT * FROM MARKETING_DATA WHERE gender = 'F' LIMIT 10;"

# Read results from database - returns a tuple
result = read_db(query)

print(result)

[('Janis', 'Springate', 44, 'F', '2XL', '1', 'Maroon', 11), ('Aileen', 'Bordessa', 36, 'F', '3XL', '1', 'Maroon', 13), ('Lauralee', 'Joriot', 40, 'F', 'M', '0', 'Turquoise', 7), ('Dianna', 'Forryan', 40, 'F', 'XS', '1', 'Turquoise', 4), ('Lisbeth', 'McPhelimey', 44, 'F', 'S', '0', 'Teal', 23), ('Pandora', 'Sinnocke', 47, 'F', 'L', '1', 'Blue', 6), ('Linnea', 'Glasby', 28, 'F', '2XL', '1', 'Khaki', 16), ('Catherin', 'Davidek', 44, 'F', 'XS', '1', 'Aquamarine', 18), ('Tine', 'Blesing', 43, 'F', '3XL', '1', 'Crimson', 14), ('Jerrylee', 'Pembery', 43, 'F', 'XS', '1', 'Teal', 12)]
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In [4]: # Example 2 with cursor

# Get cursor from connection
cursor = connection.cursor()

# Create query with parameters to be filled in later (from user input for example)
query = "SELECT * FROM MARKETING_DATA WHERE gender = %s OR has_card = %s LIMIT 10;"

# Execute query with tuple of parameters
cursor.execute(query, ("M",0))

# Get list of all rows returned by query
rows = cursor.fetchall()

print(rows)

[('Lauralee', 'Joriot', 40, 'F', 'M', '0', 'Turquoise', 7), ('Lisbeth', 'McPhelimey', 44, 'F', 'S', '0', 'Teal', 23), ('Baryram', 'Melmore', 47, 'M', '2XL', '0', 'Violet', 20), ('Hilarius', 'Tolhurst', 45, 'M', '2XL', '0', 'Violet', 13), ('Clim', 'Grandisson', 50, 'M', '2XL', '1', 'Puce', 2), ('Padraic', 'Gueste', 40, 'M', 'S', '1', 'Puce', 12), ('Jose', 'Barwise', 32, 'M', '3XL', '1', 'Turquoise', 2), ('Alonso', 'Ransbury', 39, 'M', 'L', '1', 'Khaki', 4), ('Manuel', 'Skentelbury', 45, 'M', 'L', '1', 'Fuscia', 19), ('Wolf', 'Danbi', 44, 'M', '3XL', '0', 'Red', 24)]
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In [ ]:
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