Griffin Graham

Luis Maldonado Ramirez

Marcus Giannini

Part 3 Execution PDF

Query 1:

```
PS C:\Users\Griffin\Downloads\ENMU_Work\2024-2025\CS359\CS359_DatabaseDesign\Part 3> python file.py 1
[INFO] Connection Established: 3.39.4

All Gym Members
---------------

Member Name     Email                      Age  Plan Type
=========================================================
Bruce Wayne     bruce@wayneenterprises.com 35   Annual
Clark Kent      clark@dailyplanet.com      33   Annual
Diana Prince    diana@themyscira.com       30   Monthly
Wally West      peter@centralcity.gov      22   Monthly
J'onn J'onzz    martian@watchtower.com     350  Annual
```

Query 2:

```
PS C:\Users\Griffin\Downloads\ENMU_Work\2024-2025\CS359\CS359_DatabaseDesign\Part 3> python file.py 2
[INFO] Connection Established: 3.39.4

Number of Classes Available at Each Gym
---------------------------------------
Gym Location     Class Count
============================
Portales, NM     2
Las Cruces, NM   3
Albuquerque, NM  0
Farmington, NM   0
Roswell, NM      0
```

Query 3:

```
PS C:\Users\Griffin\Downloads\ENMU_Work\2024-2025\CS359\CS359_DatabaseDesign\Part 3> python file.py 3 5
[INFO] Connection Established: 3.39.4

----------------------------------
Member Name
============
Clark Kent
Bruce Wayne
J'onn J'onzz
```

Query 4:

```
PS C:\Users\Griffin\Downloads\ENMU_Work\2024-2025\CS359\CS359_DatabaseDesign\Part 3> python file.py 4 Flexibility
[INFO] Connection Established: 3.39.4
Equipment by Type
-----------------
Equipment ID  Equipment Name          Type         Quantity  Gym ID
===================================================================
3             Amazonian Training Mats  Flexibility  30        1
```

Query 5:

```
PS C:\Users\Griffin\Downloads\ENMU_Work\2024-2025\CS359\CS359_DatabaseDesign\Part 3> python file.py 5
[INFO] Connection Established: 3.39.4

Members with Expired Memberships
--------------------------------
Member ID  Member Name    Membership End Date
=========================================
2          Wally West     2025-03-01
3          Diana Prince   2025-04-01
```

Query 6:

```
PS C:\Users\Griffin\Downloads\ENMU_Work\2024-2025\CS359\CS359_DatabaseDesign\Part 3> python file.py 6 2
[INFO] Connection Established: 3.39.4

Instructor Class Schedule
Instructor Name    Phone          Class Name                Class Type  Duration  Class Capacity
===============================================================================================
Natasha Romanoff  +1 555 554-0002  High-Intensity Spin Class  HIIT        45        20
```

```
PS C:\Users\Griffin\Downloads\ENMU_Work\2024-2025\CS359\CS359_DatabaseDesign\Part 3> python file.py 6 5
[INFO] Connection Established: 3.39.4

Instructor Class Schedule
------------------------
Instructor Name  Phone          Class Name        Class Type  Duration  Class Capacity
=====================================================================================
Selina Kyle      +1 555 554-0005  Zen Yoga          Yoga        60        15
Selina Kyle      +1 555 554-0005  Zumba Dance Party  Zumba       50        25
```

Query 7:

```
PS C:\Users\Griffin\Downloads\ENMU_Work\2024-2025\CS359\CS359_DatabaseDesign\Part 3> python file.py 7
[INFO] Connection Established: 3.39.4

Active/Expired Member Average Age
---------------------------------
Membership Status  Average Age
==============================
Active             139
Expired            26
```

Query 8:

```
PS C:\Users\Griffin\Downloads\ENMU_Work\2024-2025\CS359\CS359_DatabaseDesign\Part 3> python file.py 8
[INFO] Connection Established: 3.39.4

Top 3 Instructors by Class Count
--------------------------------
=========================================
5          Selina Kyle       2
1          Steve Rogers      2
2          Natasha Romanoff  1
```

Query 9:

```
PS C:\Users\Griffin\Downloads\ENMU_Work\2024-2025\CS359\CS359_DatabaseDesign\Part 3> python file.py 9 HIIT
[INFO] Connection Established: 3.39.4

Members Attending All Classes of a Specified Type
-----------------------------------------------------
Member ID  Name         Email                   Phone         Address                Age  Membership Start Date  Membership End Date
=============================================================================================================================
5          J'onn J'onzz  martian@watchtower.com  +1 555-1955  Watchtower, Earth Orbit  350  2025-01-01             2026-01-01
PS C:\Users\Griffin\Downloads\ENMU_Work\2024-2025\CS359\CS359_DatabaseDesign\Part 3> python file.py 9 Weights
[INFO] Connection Established: 3.39.4

Members Attending All Classes of a Specified Type
-----------------------------------------------------
Member ID  Name         Email                       Phone         Address                Age  Membership Start Date  Membership End Date
=============================================================================================================================
1          Bruce Wayne   bruce@wayneenterprises.com  +1 555 555-0001  1007 Mountain Dr, Gotham  35   2025-01-01             2026-01-01
5          J'onn J'onzz  martian@watchtower.com      +1 555-1955     Watchtower, Earth Orbit   350  2025-01-01             2026-01-01
```

Query 10:

```
PS C:\Users\Griffin\Downloads\ENMU_Work\2024-2025\CS359\CS359_DatabaseDesign\Part 3> python file.py 10
[INFO] Connection Established: 3.39.4

Recent Class Attendance
-----------------------
Member Name    Total Classes Attended  Classes Attended                                                    Class Types
=============================================================================================================================
J'onn J'onzz   3                       Weekend Bootcamp, Strength Training Basics, High-Intensity Spin Class  HIIT, Weights
Bruce Wayne    4                       Weekend Bootcamp, Strength Training Basics                             Weights
```