--7

SELECT \* FROM [OWNER];

SELECT \* FROM [EMPLOYEE];

SELECT \* FROM [PROPERTY];

SELECT \* FROM [SERVICE];

--8

SELECT [LastName], [FirstName], [CellPhone]

FROM [GG\_DB].[dbo].[EMPLOYEE]

WHERE [LastName] = 'Smith' AND [FirstName] = 'Sam'

OR [LastName] = 'Murphy' AND [FirstName] = 'Jerry';

--9

SELECT [LastName] AS 'LastName',

[FirstName] AS 'FirstName',

[CellPhone] AS 'CellPhone'

FROM [EMPLOYEE]

WHERE [ExperienceLevel] = 'Master'

AND [FirstName] LIKE 'J%';

--10

--A

SELECT [LastName] AS 'LastName',

[FirstName] AS 'FirstName'

FROM [EMPLOYEE]

WHERE [EmployeeID] IN (

SELECT [EmployeeID]

FROM [SERVICE]

WHERE [PropertyID] IN (

SELECT [PropertyID]

FROM [PROPERTY]

WHERE [State] = 'NY' -- Assuming 'NY' represents New York

)

);

--B

SELECT [LastName] AS 'LastName',

[FirstName] AS 'FirstName'

FROM [EMPLOYEE]

WHERE [EmployeeID] IN (

SELECT [EmployeeID]

FROM [SERVICE]

WHERE [PropertyID] IN (

SELECT [PropertyID]

FROM [PROPERTY]

WHERE [State] = 'WA' -- Assuming 'WA' represents Washington

)

);

--11

SELECT DISTINCT e.[LastName] AS 'LastName',

e.[FirstName] AS 'FirstName'

FROM [EMPLOYEE] e

JOIN [SERVICE] s ON e.[EmployeeID] = s.[EmployeeID]

JOIN [PROPERTY] p ON s.[PropertyID] = p.[PropertyID]

WHERE p.[State] IN ('WA') -- Assuming 'NY' represents New York and 'WA' represents Washington

;

--12

-- List the last name and first name of employees who have worked on a property owned by a Corporation

SELECT e.LastName, e.FirstName

FROM EMPLOYEE e

WHERE e.EmployeeID IN (

SELECT s.EmployeeID

FROM SERVICE s

WHERE s.PropertyID IN (

SELECT p.PropertyID

FROM PROPERTY p

WHERE p.OwnerID IN (

SELECT o.OwnerID

FROM OWNER o

WHERE o.OwnerType = 'Corporation'

)

)

);

--13

-- List the last name and first name of employees who have worked on a property owned by a Corporation

SELECT DISTINCT e.LastName, e.FirstName

FROM EMPLOYEE e

JOIN SERVICE s ON e.EmployeeID = s.EmployeeID

JOIN PROPERTY p ON s.PropertyID = p.PropertyID

JOIN OWNER o ON p.OwnerID = o.OwnerID

WHERE o.OwnerType = 'Corporation';

--14

-- Show the name and sum of hours worked for each employee

SELECT e.LastName, e.FirstName, CAST(SUM(s.HoursWorked) AS DECIMAL(10, 2)) AS TotalHoursWorked

FROM EMPLOYEE e

JOIN SERVICE s ON e.EmployeeID = s.EmployeeID

GROUP BY e.LastName, e.FirstName;

--15

-- Show the sum of hours worked for each ExperienceLevel of EMPLOYEE

SELECT ExperienceLevel,

CAST(SUM(HoursWorked) AS DECIMAL(10, 2)) AS TotalHoursWorked

FROM SERVICE

JOIN EMPLOYEE ON SERVICE.EmployeeID = EMPLOYEE.EmployeeID

GROUP BY ExperienceLevel

ORDER BY ExperienceLevel DESC;

--16

-- Show the sum of HoursWorked for each Type of OWNER (excluding Junior employees and types with less than three members)

SELECT o.OwnerType, CAST(SUM(s.HoursWorked) AS DECIMAL(10, 2)) AS TotalHoursWorked

FROM OWNER o

JOIN PROPERTY p ON o.OwnerID = p.OwnerID

JOIN SERVICE s ON p.PropertyID = s.PropertyID

JOIN EMPLOYEE e ON s.EmployeeID = e.EmployeeID

WHERE e.ExperienceLevel != 'Junior'

GROUP BY o.OwnerType

HAVING COUNT(DISTINCT o.OwnerID) >= 3

ORDER BY o.OwnerType;

--17

SELECT \* FROM EMPLOYEE;

UPDATE EMPLOYEE

SET ExperienceLevel = 'SuperMaster'

WHERE ExperienceLevel = 'Master';

SELECT \* FROM EMPLOYEE;

--18

SELECT \* FROM EMPLOYEE;

UPDATE EMPLOYEE

SET ExperienceLevel = 'temp'

WHERE ExperienceLevel = 'Senior';

UPDATE EMPLOYEE

SET ExperienceLevel = 'Senior'

WHERE ExperienceLevel = 'Junior';

UPDATE EMPLOYEE

SET ExperienceLevel = 'Junior'

WHERE ExperienceLevel = 'temp';

SELECT \* FROM EMPLOYEE;

--19

-- Delete all data from the SERVICE table

DELETE FROM SERVICE;

-- Delete all data from the EMPLOYEE table

DELETE FROM EMPLOYEE;

-- Delete all data from the PROPERTY table

DELETE FROM PROPERTY;

-- Delete all data from the OWNER table

DELETE FROM OWNER;