**פרויקט בבסנת – חלק 2**

-- Query to retrieve all warehouses along with the total number of items in each warehouse, ordered by the total number of items in ascending order

SELECT w.address, SUM(e.quantity) AS total\_items

FROM Warehouses w

LEFT JOIN (

SELECT eqtId, whId, SUM(quantity) AS quantity

FROM Equipments

GROUP BY eqtId, whId

) e ON w.whId = e.whId

GROUP BY w.address

ORDER BY total\_items ASC;

-- Query to retrieve a list of suppliers along with the number of items they supply, sorted by the total number of items in descending order

SELECT s.Name AS supplier\_name, COUNT(e.eqtId) AS total\_items\_supplied

FROM Suppliers1 s

JOIN (

SELECT eqtId, supplierId

FROM Equipments

) e ON s.supplierId = e.supplierId

GROUP BY s.Name

ORDER BY total\_items\_supplied DESC;

-- Query to retrieve the average number of soldiers per unit, along with the total number of units

SELECT AVG(num\_soldiers) AS avg\_soldiers\_per\_unit, COUNT(unitId) AS total\_units

FROM (

SELECT u.unitId, COUNT(s.soliderId) AS num\_soldiers

FROM Unit u

LEFT JOIN Soliders1 s ON u.unitId = s.unitId

GROUP BY u.unitId

) AS soldiers\_per\_unit;

-- Query to retrieve the top 5 warehouses with the highest average quantity of items, along with their average quantity

SELECT w.address, AVG(e.quantity) AS avg\_quantity

FROM Warehouses w

JOIN Equipments e ON w.whId = e.whId

GROUP BY w.address

ORDER BY avg\_quantity DESC

LIMIT 5;

DELETE FROM Soliders1

WHERE enrolmentDate < '2010-01-01';

DELETE FROM Equipments

WHERE whId = 123;

UPDATE Equipments

SET quantity = 100

WHERE whId = 123;

UPDATE Suppliers1

SET Name = 'New Supplier Name'

WHERE supplierId = 456;