

## SQL Questions and Answers

Q: List all regions.

A: `SELECT * FROM Regions;`

Q: List all systems.

A: `SELECT * FROM Systems;`

Q: Show all revenue records.

A: `SELECT * FROM Revenue;`

Q: Find the total revenue for each region.

A: `SELECT RegionID, SUM(REVENUE) as TotalRevenue FROM Revenue GROUP BY RegionID;`

Q: Find the total revenue for each system.

A: `SELECT SystemID, SUM(REVENUE) as TotalRevenue FROM Revenue GROUP BY SystemID;`

Q: Find the average revenue for each region.

A: `SELECT RegionID, AVG(REVENUE) as AverageRevenue FROM Revenue GROUP BY RegionID;`

Q: Find the average revenue for each system.

A: `SELECT SystemID, AVG(REVENUE) as AverageRevenue FROM Revenue GROUP BY SystemID;`

Q: List all revenue records for the year 2024.

A: `SELECT * FROM Revenue WHERE DATE >= '2024-01-01' AND DATE <= '2024-12-31';`

Q: Find the total NCC\_ACT for each region.

A: SELECT RegionID, SUM(NCC\_ACT) as TotalNCC\_ACT FROM Revenue GROUP BY RegionID;

Q: Find the total NCC\_ACT for each system.

A: SELECT SystemID, SUM(NCC\_ACT) as TotalNCC\_ACT FROM Revenue GROUP BY SystemID;

Q: Find the average NCC\_ACT for each region.

A: SELECT RegionID, AVG(NCC\_ACT) as AverageNCC\_ACT FROM Revenue GROUP BY RegionID;

Q: Find the average NCC\_ACT for each system.

A: SELECT SystemID, AVG(NCC\_ACT) as AverageNCC\_ACT FROM Revenue GROUP BY SystemID;

Q: Find the revenue for each week in 2024.

A: SELECT WEEK\_OF\_YEAR, SUM(REVENUE) as WeeklyRevenue FROM Revenue WHERE DATE >= '2024-01-01'  
AND DATE <= '2024-12-31' GROUP BY WEEK\_OF\_YEAR;

Q: Find the maximum revenue for each region.

A: SELECT RegionID, MAX(REVENUE) as MaxRevenue FROM Revenue GROUP BY RegionID;

Q: Find the minimum revenue for each system.

A: SELECT SystemID, MIN(REVENUE) as MinRevenue FROM Revenue GROUP BY SystemID;

Q: Find the number of revenue records for each year.

A: SELECT YEAR(DATE) as Year, COUNT(\*) as RecordCount FROM Revenue GROUP BY YEAR(DATE);

Q: Find the total revenue for each region and system.

A: SELECT RegionID, SystemID, SUM(REVENUE) as TotalRevenue FROM Revenue GROUP BY RegionID, SystemID;

Q: Find the average NCC\_ACT for each region and system.

A: SELECT RegionID, SystemID, AVG(NCC\_ACT) as AverageNCC\_ACT FROM Revenue GROUP BY RegionID, SystemID;

Q: Find the total revenue for each month in 2024.

A: SELECT MONTH(DATE) as Month, SUM(REVENUE) as MonthlyRevenue FROM Revenue WHERE YEAR(DATE) = 2024 GROUP BY MONTH(DATE);

Q: Find the regions with total revenue greater than 50,000.

A: SELECT RegionID FROM Revenue GROUP BY RegionID HAVING SUM(REVENUE) > 50000;