UTS : BASISDATA LANJUT STUDI KASUS PENJUALAN PERUSAHAAN

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Kelas: TI/2E

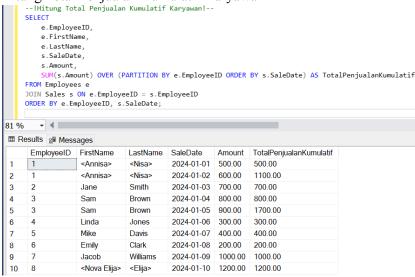
NIM : 2341720070

JAWABAN

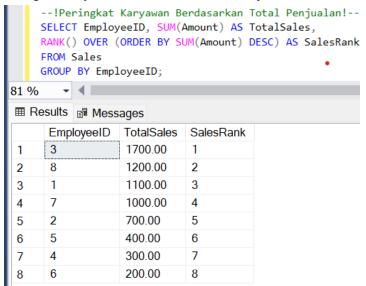
1. Hitung Rata-Rata Gaji Per Departement

```
--!Hitung Rata-Rata Gaji Departemen Sales!--
    SELECT
        d.NamaDepartemen AS DepartmentName,
        AVG(e.Salary) AS AverageSalary
    FROM
        Employees e
    JOTN
        Departments d ON e.DepartmentID = d.DepartmentID
        d.NamaDepartemen;
       - 4 -
81 %
DepartmentName
                      AverageSalary
     Finance
                      65000.000000
 1
 2
      HR
                      47500.000000
 3
      ΙT
                      70000.000000
                      62000.000000
      Marketing
```

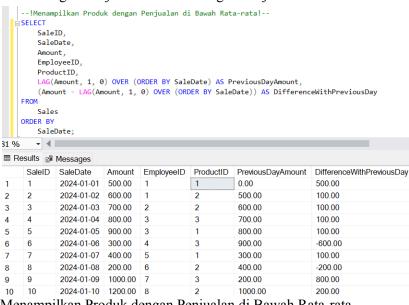
2. Hitung Total Penjualan Kumulatif Karyawan



3. Peringkat Karyawan Berdasarkan Total Penjualan



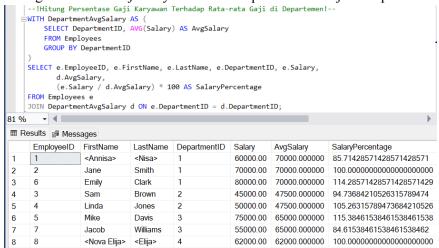
4. Perbandingan Penjualan Hari Ini dengan Penjualan Hari Kemarin



5. Menampilkan Produk dengan Penjualan di Bawah Rata-rata

```
--!Menampilkan Produk dengan Penjualan di Bawah Rata-rata!--
   SELECT ProductID, SUM(Amount) AS TotalSales
        FROM Sales
        GROUP BY ProductID
    ),
    AverageSales AS (
        SELECT AVG(TotalSales) AS AvgSales
        FROM ProductSales
    SELECT ProductID, TotalSales
    FROM ProductSales, AverageSales
    WHERE TotalSales < AvgSales;
        - 4 |
81 %
■ Results  Messages
      ProductID
               TotalSales
                1800.00
 2
                2100.00
```

6. Hitung Persentase Gaji Karyawan Terhadap Rata-rata Gaji di Departemen



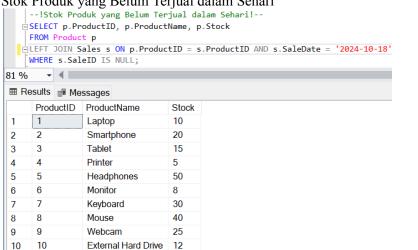
7. Jumlah Penjualan Berdasarkan Kuartal

```
--!Jumlah Penjualan Berdasarkan Kuartal!--
   SELECT DATEPART(QUARTER, SaleDate) AS Quarter,
           YEAR(SaleDate) AS Year
           SUM(Amount) AS TotalSales
    GROUP BY YEAR(SaleDate), DATEPART(QUARTER, SaleDate)
    ORDER BY Year, Quarter;
81 %
       - 4
Quarter Year
                   TotalSales
             2024 6600.00
```

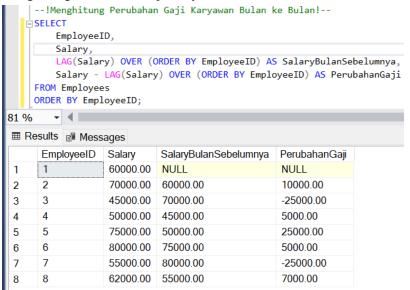
8. Menampilkan Karyawan yang Gajinya Tertinggi di Setiap Departemen

```
--!Menampilkan Karyawan yang Gajinya Tertinggi di Setiap Departemen!-
   □WITH RankedSalaries AS (
        SELECT EmployeeID, FirstName, LastName, DepartmentID, Salary,
               ROW_NUMBER() OVER (PARTITION BY DepartmentID ORDER BY Salary DESC) AS SalaryRank
        FROM Employees
    SELECT EmployeeID, FirstName, LastName, DepartmentID, Salary
    FROM RankedSalaries
    WHERE SalarvRank = 1:
81 % - 4
LastName DepartmentID Salary
      EmployeeID FirstName
     6
                 Emily
                             Clark
                                       1
                                                     80000 00
                                                     50000.00
 2
      4
                  Linda
                             Jones
      5
                  Mike
                             Davis
                                                     75000.00
 3
      8
                  <Nova Elija> <Elija>
                                                     62000.00
```

9. Stok Produk yang Belum Terjual dalam Sehari



10. Menghitung Perubahan Gaji Karyawan Bulan ke Bulan



11. Daftar Produk dengan Jumlah Penjualan di Atas Target

```
--!Daftar Produk dengan Jumlah Penjualan di Atas Target!--
SELECT
p.ProductID,
p.ProductName,
SUM(s.Amount) AS TotalSales
FROM Product AS p
JOIN Sales AS s ON p.ProductID = s.ProductID
GROUP BY p.ProductID, p.ProductName
HAVING SUM(s.Amount) > 10000;

Results Messages
ProductID ProductName TotalSales
```

12. Hitung Rata-rata Penjualan Harian per Karyawan

```
--!Hitung Rata-rata Penjualan Harian per Karyawan!--
   ⊟WITH DailySales AS (
        SELECT EmployeeID, SaleDate, SUM(Amount) AS TotalDailySales
        GROUP BY EmployeeID, SaleDate
    SELECT EmployeeID, AVG(TotalDailySales) AS AvgDailySales
    FROM DailySales
    GROUP BY EmployeeID;
       - 4 Ⅱ
81 %
■ Results  Messages
      EmployeeID
                  AvgDailySales
     1
                  550.000000
                   700.000000
2
3
      3
                  850.000000
      4
                   300.000000
4
      5
5
                  400.000000
      6
                  200.000000
6
      7
7
                   1000.000000
      8
                   1200.000000
8
```