BASISDATA LANJUT

Studi Kasus Departemen

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JAWABAN

A. Membuat Table

```
GREATE TABLE Employees (
EmployeeID INT PRIMARY KEY,
FirstName NVARCHAR(50) NOT NULL,
LastName NVARCHAR(50) NOT NULL,
DepartmentID INT NOT NULL,
Salary DECIMAL(10, 2) NOT NULL
_);
 Commands completed successfully.
 Completion time: 2024-10-18T12:48:51.9600780+07:00
    ProductID INT PRIMARY KEY,
      ProductName NVARCHAR(100) NOT NULL,
      Price DECIMAL(10, 2) NOT NULL,
      Stock INT NOT NULL
      );
 100 % + 4
 Messages
    Commands completed successfully.
    Completion time: 2024-10-18T12:49:55.7566796+07:00
 □CREATE TABLE Sales (
   SaleID INT PRIMARY KEY,
   SaleDate DATE NOT NULL,
   Amount DECIMAL(10, 2) NOT NULL,
   EmployeeID INT NOT NULL,
  ProductID INT NOT NULL,
   FOREIGN KEY (EmployeeID) REFERENCES Employees(EmployeeID),
   FOREIGN KEY (ProductID) REFERENCES Product(ProductID)
  );
) % + (
Messages
 Commands completed successfully.
 Completion time: 2024-10-18T12:50:50.2649470+07:00
```

B. Mengisi Table

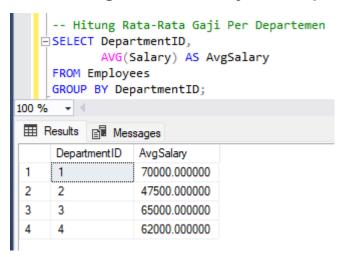
```
□INSERT INTO Employees (EmployeeID, FirstName, LastName, DepartmentID, Salary) VALUES
    (1, 'Jamiatul', 'Afifah', 1, 60000.00),
    (2, 'Jane', 'Smith', 1, 70000.00),
(3, 'Sam', 'Brown', 2, 45000.00),
    (4, 'Linda', 'Jones', 2, 50000.00),
(5, 'Mike', 'Davis', 3, 75000.00),
(6, 'Emily', 'Clark', 1, 80000.00),
(7, 'Jacob', 'Williams', 3, 55000.00),
    (8, 'Luthfi', 'Triaswangga', 4, 62000.00);
00 % + <
Messages
  (8 rows affected)
  Completion time: 2024-10-18T12:52:09.3988066+07:00
  □INSERT INTO Product (ProductID, ProductName, Price, Stock) VALUES
    (1, 'Laptop', 1500.00, 10),
    (2, 'Smartphone', 800.00, 20),
    (3, 'Tablet', 300.00, 15),
    (4, 'Printer', 200.00, 5),
    (5, 'Headphones', 100.00, 50),
    (6, 'Monitor', 250.00, 8),
     (7, 'Keyboard', 50.00, 30),
    (8, 'Mouse', 20.00, 40),
    (9, 'Webcam', 90.00, 25),
    (10, 'External Hard Drive', 120.00, 12);
00 % 🕶 <

    Messages

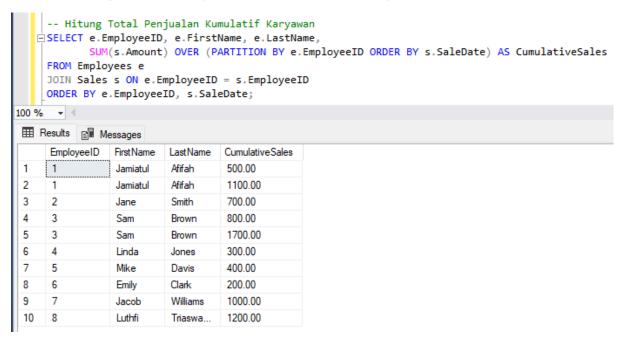
  (10 rows affected)
  Completion time: 2024-10-18T12:53:45.2239829+07:00
 □ INSERT INTO Sales (SaleID, SaleDate, Amount, EmployeeID, ProductID) VALUES
   (1, '2024-01-01', 500.00, 1, 1),
   (2, '2024-01-02', 600.00, 1, 2),
   (3, '2024-01-03', 700.00, 2, 2),
   (4, '2024-01-04', 800.00, 3, 3),
   (5, '2024-01-05', 900.00, 3, 1),
   (6, '2024-01-06', 300.00, 4, 3),
   (7, '2024-01-07', 400.00, 5, 1),
   (8, '2024-01-08', 200.00, 6, 2),
   (9, '2024-01-09', 1000.00, 7, 3),
   (10, '2024-01-10', 1200.00, 8, 2);
0% + 4
Messages
  (10 rows affected)
 Completion time: 2024-10-18T12:54:08.4069439+07:00
```

JAWABAN

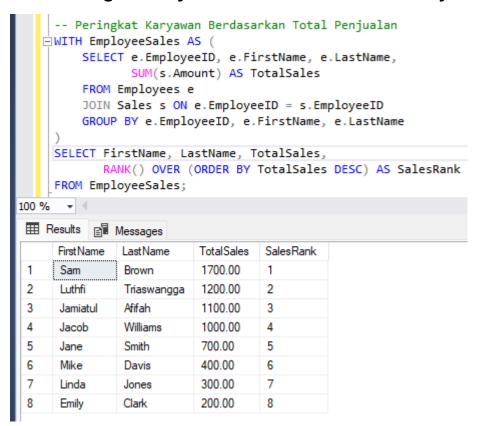
1. Hitung Rata-Rata Gaji Per Departemen



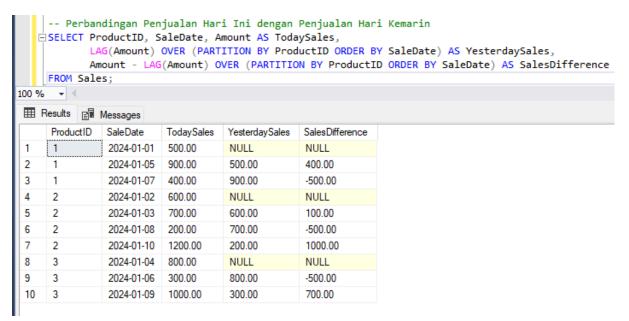
2. Hitung Total Penjualan Kumulatif Karyawan



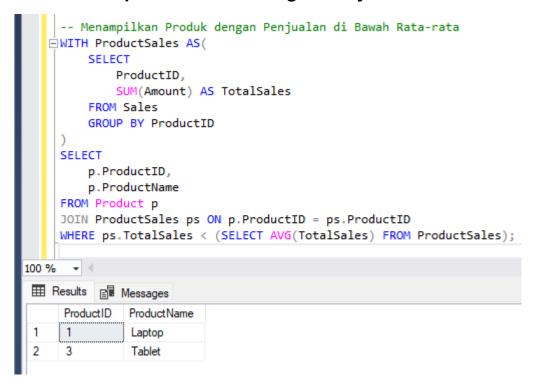
3. Peringkat Karyawan Berdasarkan Total Penjualan



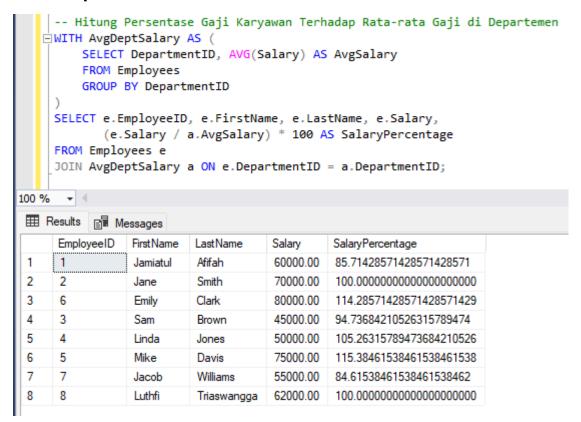
4. Perbandingan Penjualan Hari Ini dengan Penjualan Hari Kemarin



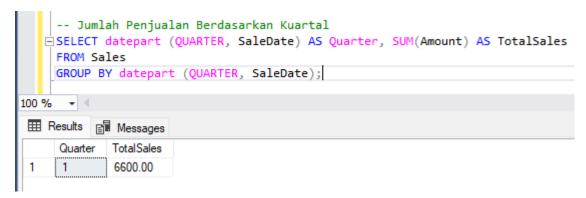
5. Menampilkan Produk dengan Penjualan di Bawah Rata-rata



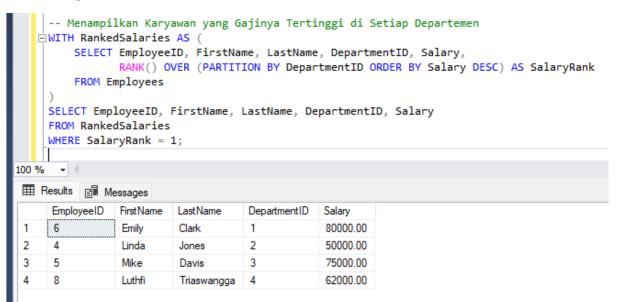
6. Hitung Persentase Gaji Karyawan Terhadap Rata-rata Gaji di Departemen



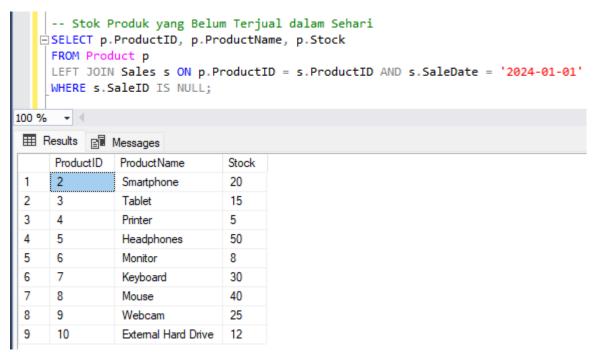
7. Jumlah Penjualan Berdasarkan Kuartal



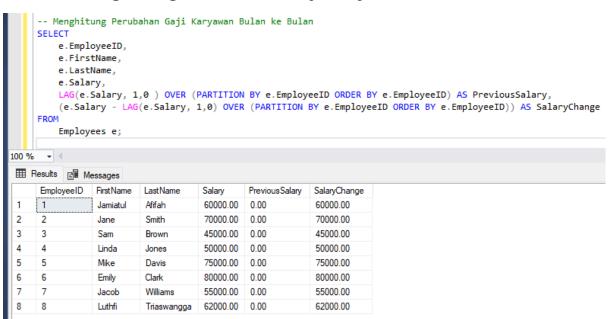
8. Menampilkan Karyawan yang Gajinya Tertinggi di Setiap Departemen



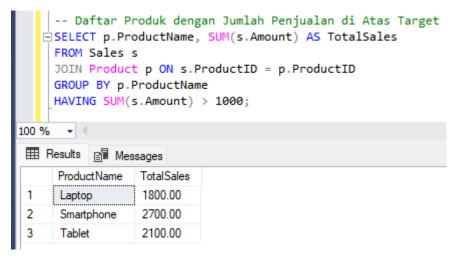
9. Stok Produk yang Belum Terjual dalam Sehari



10. Menghitung Perubahan Gaji Karyawan Bulan ke Bulan



11. Daftar Produk dengan Jumlah Penjualan di Atas Target



12. Hitung Rata-rata Penjualan Harian per Karyawan

