1. Sales Report for Last Week

SELECT

o.OrderID,

c.Name AS CustomerName,

o.Product,

o.OrderDate

FROM

Orders o

JOIN

Customers c ON o.CustomerID = c.CustomerID

WHERE

o.OrderDate >= DATEADD(day, -7, GETDATE())

AND o.OrderDate < GETDATE();

1. Subscription Renewal Reminder

SELECT

c.Name AS CustomerName,

c.Email,

s.SubscriptionEndDate

FROM

Subscriptions s

JOIN

Customers c ON s.CustomerID = c.CustomerID

WHERE

s.SubscriptionEndDate = DATEADD(day, 5, CAST(GETDATE() AS DATE));

1. Employee Joining Anniversary

SELECT

Name,

JoiningDate

FROM

Employees

WHERE

FORMAT(JoiningDate, 'MM-dd') = FORMAT(GETDATE(), 'MM-dd');

1. Calculate Project Deadlines

SELECT

p.ProjectName,

p.DeadlineDate,

DATEDIFF(day, p.DeadlineDate, GETDATE()) AS DaysOverdue

FROM

Projects p

WHERE

p.DeadlineDate < GETDATE();

1. Identify Inactive Customers

SELECT

c.Name AS CustomerName,

o.LastOrderDate,

DATEDIFF(day, o.LastOrderDate, GETDATE()) AS InactiveDays

FROM

Customers c

LEFT JOIN

Orders o ON c.CustomerID = o.CustomerID

WHERE

o.LastOrderDate IS NOT NULL

AND DATEDIFF(day, o.LastOrderDate, GETDATE()) > 90;

1. Monthly Sales Summary

SELECT

MONTH(OrderDate) AS OrderMonth,

SUM(Amount) AS TotalSales

FROM

Orders

WHERE

YEAR(OrderDate) = YEAR(GETDATE())

GROUP BY

MONTH(OrderDate);

1. Customer Birthday Offers

SELECT

c.Name AS CustomerName,

c.Email,

c.BirthDate

FROM

Customers c

WHERE

FORMAT(c.BirthDate, 'MM-dd') = FORMAT(GETDATE(), 'MM-dd');

1. Predict Delivery Dates

SELECT

o.OrderID,

o.OrderDate,

DATEADD(day, 10, o.OrderDate) AS DeliveryDueDate

FROM

Orders o;

**9. Active Membership Duration**

SELECT

m.Name AS MemberName,

m.MembershipStartDate,

DATEDIFF(day, m.MembershipStartDate, GETDATE()) AS ActiveDays

FROM

Members m;

1. Products Launched in the Current Quarter

SELECT

p.ProductName,

p.LaunchDate

FROM

Products p

WHERE

DATEPART(QUARTER, p.LaunchDate) = DATEPART(QUARTER, GETDATE())

AND YEAR(p.LaunchDate) = YEAR(GETDATE());