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Mo\_7

1. Display TreatmentId, and TreatmentName for every treatment which id is ‘TM001’ or ‘TM002’.

(**in**)

USE OOVEO\_Salon

SELECT

MsTreatment.TreatmentId,

MsTreatment.TreatmentName

FROM

MsTreatment

WHERE

Sebuah gambar berisi teks

Deskripsi dibuat secara otomatis TreatmentId IN ('TM001','TM002')

1. Display TreatmentName, and Price for every treatment which type is not ‘Hair Treatment’ and ‘Message / Spa’.

(**in**, **not in**)

USE OOVEO\_Salon

SELECT

MsTreatment.TreatmentName,

MsTreatment.Price

FROM

MsTreatment, MsTreatmentType

WHERE

MsTreatment.TreatmentTypeId = MsTreatmentType.TreatmentTypeId

AND

Sebuah gambar berisi teks, cuplikan layar, computer

Deskripsi dibuat secara otomatis MsTreatmentType.TreatmentTypeName NOT IN ('Hair Treatment','Hair Spa Treatment')

1. Display CustomerName, CustomerPhone, and CustomerAddress for every customer whose name is more than 8 charactes and did transaction on Friday.

(**len**, **in**, **datename**, **weekday**)

SELECT

MsCustomer.CustomerName,

MsCustomer.CustomerPhone,

MsCustomer.CustomerAddress

FROM

MsCustomer,HeaderSalonServices

WHERE

MsCustomer.CustomerId = HeaderSalonServices.CustomerId

AND

LEN(MsCustomer.CustomerName) > 8

AND

Sebuah gambar berisi teks

Deskripsi dibuat secara otomatis DATENAME(Weekday,HeaderSalonServices.TransactionDate) = 'Friday'

1. Display TreatmentTypeName, TreatmentName, and Price for every treatment that taken by customer whose name contains ‘Putra’ and happened on day 22th.

(**in**, **like**, **day**)

SELECT

MsTreatmentType.TreatmentTypeName,

MsTreatment.TreatmentName,

MsTreatment.Price

FROM

MsTreatment,MsTreatmentType,

MsCustomer,HeaderSalonServices,DetailSalonServices

WHERE

MsTreatment.TreatmentTypeId = MsTreatmentType.TreatmentTypeId

AND

MsCustomer.CustomerId = HeaderSalonServices.CustomerId

AND

HeaderSalonServices.TransactionId = DetailSalonServices.TransactionId

AND

DetailSalonServices.TreatmentId = MsTreatment.TreatmentId

AND

MsCustomer.CustomerName LIKE '%putra%'

AND

Sebuah gambar berisi teks

Deskripsi dibuat secara otomatis DATENAME(Day,HeaderSalonServices.TransactionDate) = 22

1. Display StaffName, CustomerName, and TransactionDate (obtained from TransactionDate in ‘Mon dd,yyyy’ format) for every treatment which the last character of treatmentid is an even number.

(**convert**, **exists**, **right**)

USE OOVEO\_Salon

SELECT

MsStaff.StaffName,

MsCustomer.CustomerName,

CONVERT(VARCHAR,HeaderSalonServices.TransactionDate,107) AS TransactionDate

FROM

MsCustomer,MsStaff,HeaderSalonServices,DetailSalonServices

WHERE

EXISTS

(

SELECT

MsTreatment.TreatmentId

FROM

MsTreatment

WHERE

MsCustomer.CustomerId = HeaderSalonServices.CustomerId

AND

MsStaff.StaffId = HeaderSalonServices.StaffId

AND

HeaderSalonServices.TransactionId = DetailSalonServices.TransactionId

AND

DetailSalonServices.TreatmentId = MsTreatment.TreatmentId

AND

CONVERT(INT,RIGHT(MsTreatment.TreatmentId,1)) % 2 = 0

)

Sebuah gambar berisi teks

Deskripsi dibuat secara otomatis

1. Display CustomerName, CustomerPhone, and CustomerAddress for every customer that was served by staff whose name’s length is an odd number.

(**exists**, **len**)

SELECT

MsCustomer.CustomerName,

MsCustomer.CustomerPhone,

MsCustomer.CustomerAddress

FROM

MsCustomer

WHERE

EXISTS

(

SELECT

MsStaff.StaffName

FROM

MsStaff,HeaderSalonServices

WHERE

MsStaff.StaffId = HeaderSalonServices.StaffId

AND

MsCustomer.CustomerId = HeaderSalonServices.CustomerId

AND

LEN(MsStaff.StaffName) % 2 = 1

Sebuah gambar berisi teks

Deskripsi dibuat secara otomatis )

1. Display ID (obtained form last 3 characters of StaffID), and Name (obtained by taking character after the first space until character before second space in StaffName) for every staff whose name contains at least 3 words and hasn’t served male customer .

(**right**, **substring**, **charindex**, **len**, **exists**, **in**,**not like**, **like)**

USE OOVEO\_Salon

SELECT

RIGHT(MsStaff.StaffId, 3) AS 'ID',

SUBSTRING

(

MsStaff.StaffName,

CHARINDEX(' ', MsStaff.StaffName) + 1,

CHARINDEX(' ', MsStaff.StaffName) + 1

) AS StaffName

FROM

MsStaff

WHERE

EXISTS

(

SELECT

MsStaff.StaffName, MsCustomer.CustomerName

FROM

MsCustomer,HeaderSalonServices

WHERE

MsCustomer.CustomerId = HeaderSalonServices.CustomerId

AND

LEN(MsStaff.StaffName) - LEN(REPLACE(MsStaff.StaffName,' ','')) >=2

AND

MsCustomer.CustomerGender NOT LIKE 'MALE'

Sebuah gambar berisi teks

Deskripsi dibuat secara otomatis )

1. Display TreatmentTypeName, TreatmentName, and Price for every treatment which price is higher than average of all treatment’s price.

(**alias subquery**, **avg**)

USE OOVEO\_Salon

SELECT

MsTreatmentType.TreatmentTypeName,

MsTreatment.TreatmentName,

MsTreatment.Price

FROM

(SELECT AVG(price) AS Result FROM MsTreatment) AS AVG\_price,

MsTreatment,MsTreatmentType

WHERE

MsTreatment.TreatmentTypeId = MsTreatmentType.TreatmentTypeId

AND

MsTreatment.Price > AVG\_price.Result

Sebuah gambar berisi teks

Deskripsi dibuat secara otomatis

1. Display StaffName, StaffPosition, and StaffSalary for every staff with highest salary or lowest salary.

(**alias subquery**, **max**, **min**)

USE OOVEO\_Salon

SELECT

MsStaff.StaffName,

MsStaff.StaffPosition,

MsStaff.StaffSalary

FROM

MsStaff,

(SELECT MAX(staffsalary) AS MAX\_Salary, MIN(staffsalary) AS MIN\_Salary FROM MsStaff) AS Salary

WHERE

StaffSalary = Salary.MAX\_Salary

OR

StaffSalary = Salary.MIN\_Salary

Sebuah gambar berisi teks

Deskripsi dibuat secara otomatis

1. Display CustomerName,CustomerPhone,CustomerAddress, and Count Treatment (obtained from the total number of treatment) for every transaction which has the highest total number of treatment.

(**alias subquery**, **group by**, **max**, **count**)

USE OOVEO\_Salon

SELECT

MsCustomer.CustomerName,

MsCustomer.CustomerPhone,

MsCustomer.CustomerAddress,

COUNT(MsTreatment.TreatmentId) AS 'Count Treatment'

FROM

MsTreatment,

MsCustomer,

HeaderSalonServices,

DetailSalonServices,

(

SELECT

MAX(b.Total) AS MAX\_Value

FROM

(

SELECT COUNT(MsTreatment.TreatmentId) AS Total

FROM

MsTreatment,

MsCustomer,

HeaderSalonServices,

DetailSalonServices

WHERE

MsCustomer.CustomerId = HeaderSalonServices.CustomerId

AND

MsTreatment.TreatmentId = DetailSalonServices.TreatmentId

AND

HeaderSalonServices.TransactionId = DetailSalonServices.TransactionId

GROUP BY

MsCustomer.CustomerName, MsCustomer.CustomerPhone, MsCustomer.CustomerAddress

) AS x

) AS y

WHERE

MsCustomer.CustomerId = HeaderSalonServices.CustomerId

AND

MsTreatment.TreatmentId = DetailSalonServices.TreatmentId

AND

HeaderSalonServices.TransactionId = DetailSalonServices.TransactionId

GROUP BY

MsCustomer.CustomerName,

MsCustomer.CustomerPhone,

MsCustomer.CustomerAddress,

y.Max\_Value

HAVING

COUNT(MsTreatment.TreatmentId) = y.Max\_Value;

Sebuah gambar berisi teks

Deskripsi dibuat secara otomatis