Nama : Erlangga Rizal Mahendra

NIM : 2440101704

Mo\_4

1. Display Maximum Price (obtained from the maximum price of all treatment), Minimum Price (obtained from minimum price of all treatment), and Average Price (obtained by rounding the average value of Price in 2 decimal format).

(**max**, **min**, **cast**, **round**, **avg**)

-- 1 Disp Max Price of data

use OOVEO\_Salon

SELECT MAX(price)

AS 'Maximum Price',

MIN(price)

AS 'Minimum Price',

CAST(ROUND(AVG(price),5)

AS decimal(9,3))

AS 'Average Price'

FROM MsTreatment;

Sebuah gambar berisi teks

Deskripsi dibuat secara otomatis

1. Display StaffPosition, Gender (obtained from first character of staff’s gender), and Average Salary (obtained by adding ‘Rp.’ in front of the average of StaffSalary in 2 decimal format).

(**left**, **cast**, **avg**, **group by**)

---2 Disp Staff Position

use OOVEO\_Salon

SELECT StaffPosition,

LEFT(StaffGender,1)

AS 'Gender',

CONCAT('Rp.',CAST(CAST(AVG(StaffSalary)

AS decimal(10,2))

AS VARCHAR))

AS'Avarage SALARY'

FROM MsStaff

GROUP BY StaffPosition,StaffGender;

Sebuah gambar berisi teks

Deskripsi dibuat secara otomatis

3. Display TransactionDate (obtained from TransactionDate in ‘Mon dd,yyyy’ format), and Total Transaction per Day (obtained from the total number of transaction).

(**convert**, **count**, **group by**)

--- 3 Disp Transaction Date

use OOVEO\_Salon

SELECT

CONVERT(varchar,GETDATE(),107) TransactionDate,

COUNT(TransactionDate)

AS 'Total Transaction per Day'

FROM

HeaderSalonServices

GROUP BY

TransactionDate;

Sebuah gambar berisi teks

Deskripsi dibuat secara otomatis

1. Display CustomerGender (obtained from customer’s gender in uppercase format), and Total Transaction (obtained from the total number of transaction).

(**upper**, **count**, **group by**)

--- 4 Display Customer Gender on Uppercase

use OOVEO\_Salon

SELECT

UPPER (CustomerGender) CustomerGender,

COUNT (CustomerGender) as 'Total Trancaction'

FROM

MsCustomer T , HeaderSalonServices S

WHERE

T.CustomerId = S.CustomerId

GROUP BY

CustomerGender

Sebuah gambar berisi teks

Deskripsi dibuat secara otomatis

1. Display TreatmentTypeName, and Total Transaction (obtained from the total number of transaction). Then sort the data in descending format based on the total of transaction.

(**count**, **group by**, **order by**)

---5 Display TreatmentTypeName and Total Transaction

use OOVEO\_Salon

SELECT

MsTreatmentType.TreatmentTypeName,

COUNT(DetailSalonServices.TransactionId) AS 'Total Transaction'

FROM

MsTreatmentType,MsTreatment,DetailSalonServices

WHERE

MsTreatmentType.TreatmentTypeId = MsTreatment.TreatmentTypeId

AND

msTreatment.TreatmentId = DetailSalonServices.TreatmentId

GROUP BY

MsTreatmentType.TreatmentTypeName

ORDER BY

'Total Transaction'

DESC;

Sebuah gambar berisi teks

Deskripsi dibuat secara otomatis

1. Display Date (obtained from TransactionDate in ‘dd mon yyyy’ format), Revenue per Day (obtained by adding ‘Rp. ’ in front of the total of price) for every transaction which Revenue Per Day is between 1000000 and 5000000.

(**convert**, **cast**, **sum**, **group by**, **having**)

--- 6 Display Date On revenue day

SELECT

CONVERT(VARCHAR ,(HeaderSalonServices.TransactionDate),106) AS 'Date',

CONCAT('Rp. ',CAST(SUM(MsTreatment.Price) AS VARCHAR)) AS 'Revenue per Day'

FROM

HeaderSalonServices,DetailSalonServices,MsTreatment

WHERE

HeaderSalonServices.TransactionId = DetailSalonServices.TransactionId

AND

DetailSalonServices.TreatmentId = MsTreatment.TreatmentId

GROUP BY

TransactionDate

HAVING

SUM(MsTreatment.Price)

BETWEEN 1000000 AND 5000000;

Sebuah gambar berisi teks

Deskripsi dibuat secara otomatis

1. Display ID (obtained by replacing ‘TT0’ in TreatmentTypeID with ‘Treatment Type’), TreatmentTypeName, and Total Treatment per Type (obtained from the total number of treatment and ended with ‘ Treatment ’) for treatment type that consists of more than 5 treatments. Then sort the data in descending format based on Total Treatment per Type.

(**replace**, **cast**, **count**, **group by**, **having**, **order by**)

--- 7 Display ID On TreatmentTypeName

USE OOVEO\_Salon

SELECT

REPLACE(MsTreatment.TreatmentTypeId,'TT0', 'Treatment Type ') AS 'ID',

MsTreatmentType.TreatmentTypeName,

CONCAT(COUNT(MsTreatment.TreatmentTypeId), ' Treatment') AS 'Total Treatment per Type'

FROM

MsTreatment,MsTreatmentType

WHERE

MsTreatment.TreatmentTypeId = MsTreatmentType.TreatmentTypeId

GROUP BY

MsTreatment.TreatmentTypeId, MsTreatmentType.TreatmentTypeName

HAVING

COUNT(MsTreatment.TreatmentTypeId) > 5

ORDER BY

COUNT(MsTreatment.TreatmentTypeId)

DESC;

Sebuah gambar berisi teks

Deskripsi dibuat secara otomatis

1. Display StaffName (obtained from first character of staff’s name until character before space), TransactionID, and Total Treatment per Transaction (obtained from the total number of treatment).

(**left**, **charindex**, **count**, **group by**)

--- 8 Display StaffName TransactionID

USE OOVEO\_Salon

SELECT

LEFT(MsStaff.StaffName,

CHARINDEX(' ',MsStaff.StaffName)),

HeaderSalonServices.TransactionId AS 'TransactionId',

COUNT(HeaderSalonServices.TransactionId) AS 'Total Treatment Per Transaction'

FROM

MsStaff,HeaderSalonServices,DetailSalonServices

WHERE

HeaderSalonServices.StaffId=MsStaff.StaffId

AND

HeaderSalonServices.TransactionId=DetailSalonServices.TransactionId

GROUP BY

MsStaff.StaffName,HeaderSalonServices.TransactionId

Sebuah gambar berisi teks

Deskripsi dibuat secara otomatis

1. Display TransactionDate, CustomerName, TreatmentName, and Price for every transaction which happened on ‘Thursday’ and handled by Staff whose name contains the word ‘Ryan’. Then order the data based on TransactionDate and CustomerName in ascending format.

(**datename**, **weekday**, **like**, **order by**)

--- 9 Display TransactionDate, CustomerName, TreatmentName, and Price

USE OOVEO\_Salon

SELECT

HeaderSalonServices.TransactionDate,MsCustomer.CustomerName,MsTreatment.TreatmentName,MsTreatment.Price

FROM

HeaderSalonServices,MsCustomer,MsTreatment,MsStaff,DetailSalonServices

WHERE

HeaderSalonServices.CustomerId = MsCustomer.CustomerId

AND

HeaderSalonServices.StaffId = MsStaff.StaffId

AND

HeaderSalonServices.TransactionId = DetailSalonServices.TransactionId

AND

DetailSalonServices.TreatmentId = MsTreatment.TreatmentId

AND

DATENAME(WEEKDAY,HeaderSalonServices.TransactionDate) = 'Tuesday'

AND

MsStaff.StaffName LIKE '%Ryan%'

ORDER BY

HeaderSalonServices.TransactionDate,MsCustomer.CustomerName

ASC;

Sebuah gambar berisi teks

Deskripsi dibuat secara otomatis

1. Display TransactionDate, CustomerName, and TotalPrice (obtained from the total amount of price) for every transaction that happened after 20th day. Then order the data based on TransactionDate in ascending format.

(**sum**, **day**, **group by**, **order by**)

--- 10 Display TransactionDate, CustomerName, and TotalPrice

USE OOVEO\_Salon

SELECT

HeaderSalonServices.TransactionDate, MsCustomer.CustomerName,

SUM(MsTreatment.Price) AS 'Price'

FROM

HeaderSalonServices,MsCustomer,MsTreatment,DetailSalonServices

WHERE

HeaderSalonServices.CustomerId = MsCustomer.CustomerId

AND

HeaderSalonServices.TransactionId = DetailSalonServices.TransactionId

AND

DATENAME(DAY, HeaderSalonServices.TransactionDate) > 20

GROUP BY

HeaderSalonServices.TransactionDate,MsCustomer.CustomerName

ORDER BY

HeaderSalonServices.TransactionDate

ASC;

Sebuah gambar berisi teks

Deskripsi dibuat secara otomatis