SQL Group By

createtable **tblEmployee**

(

eid intprimarykey,

ename varchar(50),

gender varchar(10),

salary int,

city varchar(50)

)

insertinto **tblEmployee** values

(01,'Ali','Male',4000,'Karachi'),

(02,'Affan','Male',3000,'Lahore'),

(03,'Azar','Male',3500,'Karachi'),

(04,'Fakhar','Male',4500,'Karachi'),

(05,'Subhana','Female',2800,'Islamabad'),

(06,'Sameen','Female',7000,'Lahore'),

(07,'Fatima','Female',4800,'Islamabad'),

(08,'Hassan','Male',5500,'Lahore'),

(09,'Hussain','Male',6500,'Karachi'),

(10,'Arif','Male',8800,'Karachi')

-- SQL GROUP BY CLAUSE

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/\*Q1:Write a Query to retrive total Salary that is

paying in Organization.\*/

selectSUM(salary)as **TotalSalary** from **tblemployee**

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/\*Q2:Write a Query to retrive minimum Salary that is paying

in my organizaion \*/

selectMin(salary)as **MinSalary** from **tblemployee**

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/\*Q3:Write a Query to retrive Maximum Salary that is paying

in my organizaion \*/

selectMax(salary)as **MaxSalary** from **tblemployee**

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/\*Q4: (Error query)--Write a query to display the

total salary of organization by City\*/

select **city**,SUM(salary)as **[total Salary]** from

tblEmployee

/\*Column 'tblEmployee.city' is invalid in the

select list because it is not contained in either

an aggregate function or the GROUP BY clause.\*/

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/\*Q5:Write a query to display the total salary

of organization by City\*/

select **city**,SUM(salary)as **[total Salary]** from

tblEmployee groupby **city**

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/\*Q6:Write a query to display the total salary

of organization by City and gender also\*/

select **city**,gender,SUM(salary)as **[total Salary]** from

tblEmployee groupby **city**,gender

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/\*Q7:Write a query to display the total salary

of organization by City and gender also by proper

order w.r.t city\*/

select **city**,gender,SUM(salary)as **[total Salary]** from

tblEmployee groupby **city**,gender orderby **city**

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/\*Q8:Write a query to display the total number of employee\*/

selectCOUNT(eid)from **tblEmployee**

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/\*Q9:Write a query to display the total salary

of organization by City and gender and also display no.

of employee by gender as well.\*/

select **city**,gender,SUM(salary)as **[Total Salary]**,

COUNT(eid)as **[Total No. of Employees]** from **tblEmployee**

groupby **city**,gender orderby **city**

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/\*Q10:Write a query to display the total salary

of organization by City and only for males not females

(by where clause)\*/

select **city**,gender,SUM(salary)as **[Total Salary]**,

COUNT(eid)as **[Total No. of Employees]** from **tblEmployee**

where **gender**='Male'groupby **city**,gender orderby **city**

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/\*Q11:Write a query to display the total salary

of organization by City and only for males not females

(by HAVING clause)\*/

select **city**,gender,SUM(salary)as **[Total Salary]**,

COUNT(eid)as **[Total No. of Employees]** from **tblEmployee**

groupby **city**,gender having **gender**='Male'orderby **city**

--Aggregate funtions can not be use with where clause--

select\*from **tblEmployee** whereSUM(salary)>4000

select **city**,gender,SUM(salary)as **[Total Salary]**,

COUNT(eid)as **[Total No. of Employees]** from **tblEmployee**

whereSUM(salary)> **7000** groupby **city**,gender orderby **city**

/\*

An aggregate may not appear in the WHERE clause

unless it is in a subquery contained in a HAVING

clause or a select list,and the column being aggregated

is an outer reference.

\*/

select **city**,gender,SUM(salary)as **[Total Salary]**,

COUNT(eid)as **[Total No. of Employees]** from **tblEmployee**

groupby **city**,gender havingSUM(salary)> **7000** orderby **city**