



Mohammad Ali Jinnah University
Chartered by Government of Sindh - Recognized by HEC

Quiz 02

Subject: DBMS LAB

Section: BM

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Assignment 3

Problem # 1

- Count the number of employees in each department. Also, display the average salary of each department.

```
-- 1
select count(e.employeeID) as 'Number of employees', e.deptID, avg(j.salary) as 'Average salary' from employees e, jobs j
where e.JobId = j.JobId
Group by(e.deptID);
```

	Number of employees	deptID	Average salary
1	1	1	15000
2	2	2	55000

- Display the name, designation, and salary of the highest paid employee.

```
-- 2
select e.FirstName,e.LastName,j.jobTittle,j.salary from employees e,jobs j
where e.JobID = j.JobId
and j.salary = (select max(j.salary) from jobs j,employees e
where j.JobID = e.JobId)
```

	First Name	Last Name	job Tittle	salary
1	Anas	Ahmed	Manager	90000

3. Display the names of all the designations along with the employees assigned to that designation.

```
-- 3  
select j.jobTittle, e.FirstName from employees e  
full join jobs j  
on e.JobId = j.JobId;
```

	job Tittle	First Name
1	Manager	Anas
2	Personal assitant	Ahmed
3	Assistant Manager	Khan
4	Peon	NULL
5	Managing director	NULL

Problem # 2

1. List of customers whose products were shipped to UK.

```
use Quiz_part2;
```

```
-- 1
select * from Customers
where CustomerID in
(select CustomerID from Orders
where ShipCountry = 'UK');
```

	CustomerID	CompanyName	ContactName	ContactTitle	Address	City	Region	PostalCode	Country	Phone	Fax
1	AROUT	Around the Horn	Thomas Hardy	Sales Representative	120 Hanover Sq.	London	NULL	WA1 1DP	UK	(171) 555-7788	(171) 555-6750
2	BSBEV	B's Beverages	Victoria Ashworth	Sales Representative	Fauntleroy Circus	London	NULL	EC2 5NT	UK	(171) 555-1212	NULL
3	CONSH	Consolidated Holdings	Elizabeth Brown	Sales Representative	Berkeley Gardens 12 Brewery	London	NULL	WX1 6LT	UK	(171) 555-2282	(171) 555-9199
4	EASTC	Eastern Connection	Ann Devon	Sales Agent	35 King George	London	NULL	WX3 6FW	UK	(171) 555-0297	(171) 555-3373
5	ISLAT	Island Trading	Helen Bennett	Marketing Manager	Garden House Crowther Way	Cowes	Isle of Wight	PO31 7PJ	UK	(198) 555-8888	NULL
6	NORTS	North/South	Simon Crowther	Sales Associate	South House 300 Queensbridge	London	NULL	SW7 1RZ	UK	(171) 555-7733	(171) 555-2530
7	SEVES	Seven Seas Imports	Hari Kumar	Sales Manager	90 Wadhurst Rd.	London	NULL	OX15 4NB	UK	(171) 555-1717	(171) 555-5646

2. Finds the shipping company (or companies) that charged the highest freight.

```
-- 2
select * from Shippers
where ShipperID = (select ShipVia from Orders
where Freight = (select max(Freight) from Orders)
)
```

	ShipperID	CompanyName	Phone
1	3	Federal Shipping	(503) 555-9931

3. Finds out all the employees who live in the same city and country as customers

```
-- 3
```

```
select * from Employees
where City in (select City from Customers)
and
Country in (select Country from Customers);
```

	EmployeeID	LastName	FirstName	Title	TitleOfCourtesy	BirthDate	HireDate	Address	City	Region	PostalCode	Country
1	1	Davolio	Nancy	Sales Representative	Ms.	1948-12-08 00:00:00.000	1992-05-01 00:00:00.000	507 - 20th Ave. E. Apt. 2A	Seattle	WA	98122	USA
2	3	Leverling	Janet	Sales Representative	Ms.	1963-08-30 00:00:00.000	1992-04-01 00:00:00.000	722 Moss Bay Blvd.	Kirkland	WA	98033	USA
3	5	Buchanan	Steven	Sales Manager	Mr.	1955-03-04 00:00:00.000	1993-10-17 00:00:00.000	14 Garrett Hill	London	NULL	SW1 8JR	UK
4	6	Suyama	Michael	Sales Representative	Mr.	1963-07-02 00:00:00.000	1993-10-17 00:00:00.000	Coventry House Miner Rd.	London	NULL	EC2 7JR	UK
5	7	King	Robert	Sales Representative	Mr.	1960-05-29 00:00:00.000	1994-01-02 00:00:00.000	Edgeham Hollow Winch...	London	NULL	RG1 9SP	UK
6	8	Callahan	Laura	Inside Sales Coordi...	Ms.	1958-01-09 00:00:00.000	1994-03-05 00:00:00.000	4726 - 11th Ave. N.E.	Seattle	WA	98105	USA
7	9	Dodsw...	Anne	Sales Representative	Ms.	1966-01-27 00:00:00.000	1994-11-15 00:00:00.000	7 Houndstooth Rd.	London	NULL	WG2 7LT	UK