TatvaSoft

sculpting thoughts...

TatvaSoft
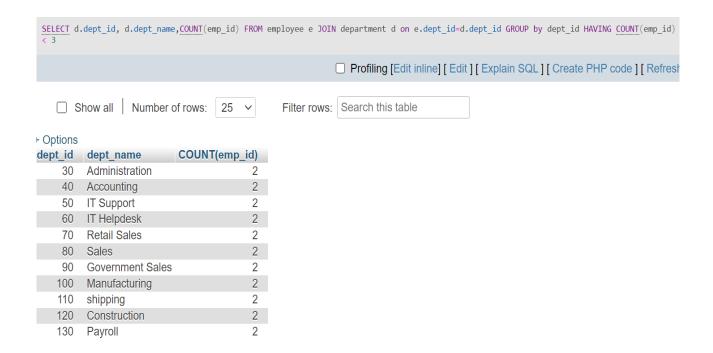
-Ahmedabad

NAME : Makwana Sanjay l.

Technology : .PHP

Assignment 3 : Retrieve data using Group By clause

❖ **Sample table1:Department**

- **-dept_id**

- **-dept_name**

❖ **Sample table2: Employee**

- **-emp_id**

- **-dept_id**

- **-mngr_id**

- **-emp_name**

- **-salary**

1. write a SQL query to find Employees who have the biggest salary in their Department

```
SELECT e.emp_id, e.emp_name, e.dept_id, e.salary from employee e INNER JOIN (SELECT k.dept_id, max(k.salary) as salary FROM employee k
GROUP BY k.dept_id) et on e.dept_id=et.dept_id WHERE e.salary=et.salary
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Ref

☐ Show all │ Number of rows: 25 ⌄   Filter rows: | Search this table | Sort by key: | None ⌄ |

· Options

emp_id	emp_name	dept_id	salary
500	rakesh	10	11500.00
900	suresh	20	21500.00
601	nayan	30	30500.00
701	kaushal	30	30500.00
901	ashish	40	31500.00
902	naresh	50	41500.00
904	ashish	60	51500.00
204	virat	70	51500.00
301	sukesh	80	21500.00
404	abhishek	90	51000.00
504	pradip	100	31500.00
1002	ankit	110	51500.00
1003	nilesh	120	81500.00
1005	saurabh	130	91500.00

2. write a SQL query to find Departments that have less than 3 people in it

```sql
SELECT d.dept_id, d.dept_name,COUNT(emp_id) FROM employee e JOIN department d on e.dept_id=d.dept_id GROUP by dept_id HAVING COUNT(emp_id)
< 3
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh

☐ Show all | Number of rows: 25 ▾   Filter rows: Search this table

+ Options

dept_id	dept_name	COUNT(emp_id)
30	Administration	2
40	Accounting	2
50	IT Support	2
60	IT Helpdesk	2
70	Retail Sales	2
80	Sales	2
90	Government Sales	2
100	Manufacturing	2
110	shipping	2
120	Construction	2
130	Payroll	2

3. write a SQL query to find All Department along with the number of people there

```sql
SELECT d.dept_name,SUM(salary) FROM employee e JOIN department d on e.dept_id=d.dept_id GROUP BY e.dept_id
```

☐ Profiling [Edit inline] [Edit] [Explain SQL]

☐ Show all | Number of rows: 25 ▾   Filter rows: Search this table

+ Options

dept_name	SUM(salary)
IT	43600.00
Marketing	64600.00
Administration	61000.00
Accounting	34600.00
IT Support	82500.00
IT Helpdesk	102500.00
Retail Sales	82000.00
Sales	33000.00
Government Sales	82500.00
Manufacturing	53000.00
shipping	93000.00
Construction	133000.00
Payroll	153000.00

4. write a SQL query to find All Department along with the total salary there

```sql
SELECT d.dept_name,COUNT(emp_id) FROM employee e JOIN department d on e.dept_id=d.dept_id GROUP by e.dept_id
```

☐ Profiling [Edit inline] [Edit] [Explain SQL]

☐ Show all | Number of rows: 25 ∨   Filter rows: Search this table

+ Options

dept_name	COUNT(emp_id)
IT	5
Marketing	4
Administration	2
Accounting	2
IT Support	2
IT Helpdesk	2
Retail Sales	2
Sales	2
Government Sales	2
Manufacturing	2
shipping	2
Construction	2
Payroll	2