

## MySql

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### 1. Month Name and people who joined that month

SELECT CASE

```
    WHEN MONTH(HireDate) = 1 THEN 'JANUARY'  
    WHEN MONTH(HireDate) = 2 THEN 'FEBRUARY'  
    WHEN MONTH(HireDate) = 3 THEN 'MARCH'  
    WHEN MONTH(HireDate) = 4 THEN 'APRIL'  
    WHEN MONTH(HireDate) = 5 THEN 'MAY'  
    WHEN MONTH(HireDate) = 6 THEN 'JUNE'  
    WHEN MONTH(HireDate) = 7 THEN 'JULY'  
    WHEN MONTH(HireDate) = 8 THEN 'AUGUST'  
    WHEN MONTH(HireDate) = 9 THEN 'SEPTEMBER'  
    WHEN MONTH(HireDate) = 10 THEN 'OCTOBER'  
    WHEN MONTH(HireDate) = 11 THEN 'NOVEMBER'  
    WHEN MONTH(HireDate) = 12 THEN 'DECEMBER'
```

```
END MONTH_NAME, COUNT(BusinessEntityID) AS EMPLOYEE_COUNT FROM  
HumanResources.Employee GROUP BY MONTH(HireDate);
```

Output table :-

	Results	Messages
	MONTH_NAME	EMPLOYEE_COUNT
1	JANUARY	85
2	FEBRUARY	78
3	MARCH	26
4	APRIL	1
5	MAY	14
6	JUNE	1
7	SEPTEMBER	1
8	NOVEMBER	1
9	DECEMBER	83

### 2.

```
SELECT (SELECT Name from HumanResources.Department DD WHERE DD.DepartmentID =  
D.DepartmentID) AS DEPARTMENT,  
YEAR(DH.StartDate) AS YEAR,
```

```

COUNT(DH.BusinessEntityID) AS EMPLOYEE_HIRED
FROM HumanResources.Department D, HumanResources.EmployeeDepartmentHistory DH WHERE
D.DepartmentID = DH.DepartmentID
GROUP BY D.DepartmentID, YEAR(DH.StartDate);

```

## Results Messages

	DEPARTMENT ▼	YEAR ▼	EMPLOYEE_HIRED ▼
1	Engineering	2007	2
2	Engineering	2008	3
3	Engineering	2010	1
4	Engineering	2011	1
5	Tool Design	2007	1
6	Tool Design	2010	3
7	Sales	2011	11
8	Sales	2012	4
9	Sales	2013	3
10	Marketing	2007	1
11	Marketing	2008	1
12	Marketing	2009	4
13	Marketing	2011	4
14	Purchasing	2007	1
15	Purchasing	2009	3
16	Purchasing	2010	8
17	Purchasing	2012	1
18	Research and...	2008	1
19	Research and...	2009	3
20	Production	2006	1
21	Production	2007	1
22	Production	2008	52
23	Production	2009	104
24	Production	2010	22

3.

```
SELECT DISTINCT CONCAT(P.FirstName, ' ', P.LastName) AS Name,  
C.Name AS COUNTRY_NAME FROM Person.Person P,  
Person.CountryRegion C  
WHERE P.BusinessEntityID NOT IN (SELECT BusinessEntityID FROM HumanResources.Employee)  
AND P.FirstName LIKE 'S%';
```

4.

```
SELECT CONCAT(P.FirstName, ' ', P.LastName) AS Name,  
EE.JobTitle As JobTitle,  
EE.OrganizationLevel AS OrganizationalLevel,  
(SELECT COUNT(*) FROM HumanResources.Employee EEE  
WHERE EEE.OrganizationLevel = EE.BusinessEntityID) as NumberOfEmployeeReporting FROM  
HumanResources.Employee EE,  
Person.Person P WHERE EE.BusinessEntityID = P.BusinessEntityID AND  
EE.BusinessEntityID IN (SELECT DISTINCT OrganizationLevel FROM HumanResources.Employee  
E);
```

Results		Messages
	Name	COUNTRY_NAME
1	Sabria Appelbaum	Bahrain
2	Sabria Appelbaum	Botswana
3	Sabria Appelbaum	Malawi
4	Sabria Appelbaum	Monaco
5	Sabria Appelbaum	New Caledonia
6	Sabria Appelbaum	Northern Mariana Islands
7	Sabria Appelbaum	Peru
8	Sabria Appelbaum	Saudi Arabia
9	Sabria Appelbaum	Sweden
10	Sabria Appelbaum	Uruguay
11	Sabria Appelbaum	Uzbekistan
12	Sabria Appelbaum	Virgin Islands, British
13	Sabria Appelbaum	Virgin Islands, U.S.
14	Sabrina Alonso	Bahrain
15	Sabrina Alonso	Germany
16	Sabrina Alonso	Hungary
17	Sabrina Alonso	Nepal
18	Sabrina Alonso	Pitcairn Islands
19	Sabrina Alonso	Russia
20	Sabrina Alonso	Saint Pierre and Miquelon
21	Sabrina Alonso	Sri Lanka
22	Sabrina Alonso	Sweden
23	Sabrina Alonso	Vatican City
24	Sabrina Alonso	Zambia
25	Sabrina Alvarez	Angola
26	Sabrina Alvarez	Egypt
27	Sabrina Alvarez	Finland

