

QUESTION 1.

```
SELECT Month(HireDate) AS Month, count(*) AS Employee_Hired
FROM [HumanResources].[Employee]
group by Month(HireDate);
```

Results Messages		
	Month ▼	Employee_Hired ▼
1	1	85
2	2	78
3	3	26
4	4	1
5	5	14
6	6	1
7	9	1
8	11	1
9	12	83

QUESTION 2.

```
SELECT D.Name, count(*)
FROM [HumanResources].[EmployeeDepartmentHistory]
E, [HumanResources].[Department] D
WHERE E.DepartmentID = D.DepartmentID
GROUP BY D.Name;
```

	Name	(No column name)
1	Engineering	7
2	Tool Design	4
3	Sales	18
4	Marketing	10
5	Purchasing	13
6	Research and Development	4
7	Production	180
8	Production Control	6
9	Human Resources	6
10	Finance	11
11	Information Services	10
12	Document Control	5
13	Quality Assurance	7
14	Facilities and Maintenance	7
15	Shipping and Receiving	6
16	Executive	2

QUESTION 9.

```
SELECT C.Name, C.CurrencyCode, CR.EndOfDayRate, CR.CurrencyRateID,  
rank() OVER(PARTITION by EndOfDayRate ORDER BY EndOfDayRate Asc)  
FROM Sales.Currency C INNER JOIN Sales.CountryRegionCurrency CC ON C.CurrencyCode =  
CC.CurrencyCode  
INNER JOIN Sales.CurrencyRate CR ON CC.CurrencyCode = CR.ToCurrencyCode
```

	CountryRegionCode	CurrencyCode	ModifiedDate
1	AE	AED	2014-02-08 10:17:21.510
2	AR	ARS	2014-02-08 10:17:21.510
3	AT	ATS	2014-02-08 10:17:21.510
4	AT	EUR	2008-04-30 00:00:00.000
5	AU	AUD	2014-02-08 10:17:21.510
6	BB	BBD	2014-02-08 10:17:21.510
7	BD	BDT	2014-02-08 10:17:21.510
8	BE	BEF	2014-02-08 10:17:21.510
9	BE	EUR	2008-04-30 00:00:00.000
10	BG	BGN	2014-02-08 10:17:21.510
11	BH	BHD	2014-02-08 10:17:21.510
12	BN	BND	2014-02-08 10:17:21.510
13	BO	BOB	2014-02-08 10:17:21.510
14	BR	BRL	2014-02-08 10:17:21.510
15	BS	BSD	2014-02-08 10:17:21.510
16	BT	BTN	2014-02-08 10:17:21.510
17	CA	CAD	2014-02-08 10:17:21.510
18	CH	CHF	2014-02-08 10:17:21.510