**Answer 1**

SELECT year(HireDate), month(HireDate)
FROM HumanResources.Employee
group by year(HireDate), month(HireDate);

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```
SELECT year(HireDate), month(HireDate)
FROM HumanResources.Employee
group by year(HireDate), month(HireDate);
```

Results Messages

| | (No column name) | (No column name) |
|---|---|---|
| 1 | 2006 | 6 |
| 2 | 2007 | 1 |
| 3 | 2007 | 11 |
| 4 | 2007 | 12 |
| 5 | 2008 | 1 |
| 6 | 2008 | 2 |
| 7 | 2008 | 3 |
| 8 | 2008 | 12 |
| 9 | 2009 | 1 |
| 10 | 2009 | 2 |
| 11 | 2009 | 3 |
| 12 | 2009 | 5 |
| 13 | 2009 | 12 |
| 14 | 2010 | 1 |
| 15 | 2010 | 2 |
| 16 | 2010 | 3 |
| 17 | 2010 | 12 |
| 18 | 2011 | 1 |
| 19 | 2011 | 2 |

**Answer 2**

```
select
        dep.Name,
        YEAR(emp.HireDate) as "Year",
        count(empdephist.BusinessEntityID) as "number of employees"
from
        HumanResources.EmployeeDepartmentHistory empdephist
        inner join HumanResources.Department dep
                on empdephist.DepartmentID=dep.DepartmentID
        inner join HumanResources.Employee emp
                on Empdephist.BusinessEntityID=emp.BusinessEntityID
group by dep.name, YEAR(emp.HireDate)
```

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```
1   select
2       dep.Name,
3       YEAR(emp.HireDate) as "Year",
4       count(empdephist.BusinessEntityID) as "number of employees"
5   from
6       HumanResources.EmployeeDepartmentHistory empdephist
7       inner join HumanResources.Department dep
8           on empdephist.DepartmentID=dep.DepartmentID
9       inner join HumanResources.Employee emp
10          on Empdephist.BusinessEntityID=emp.BusinessEntityID
11  group by dep.name, YEAR(emp.HireDate)
```

Results Messages

| | Name | Year | number of employees |
|---|---|---|---|
| 1 | Production | 2006 | 1 |
| 2 | Engineering | 2007 | 2 |
| 3 | Marketing | 2007 | 2 |
| 4 | Production | 2007 | 1 |
| 5 | Purchasing | 2007 | 1 |
| 6 | Tool Design | 2007 | 2 |
| 7 | Document C… | 2008 | 1 |
| 8 | Engineering | 2008 | 3 |
| 9 | Facilities… | 2008 | 1 |
| 10 | Finance | 2008 | 2 |
| 11 | Human Reso… | 2008 | 3 |
| 12 | Informatio… | 2008 | 3 |
| 13 | Marketing | 2008 | 1 |
| 14 | Production | 2008 | 52 |
| 15 | Production… | 2008 | 2 |
| 16 | Quality As… | 2008 | 2 |

**Answer 3**

```
select P.BusinessEntityID, P.FirstName
		from Person.person as P
		where
			P.BusinessEntityID NOT IN (select E.BusinessEntityID from
HumanResources.Employee as E)
		and
			P.FirstName LIKE 'S%'
```