

Task 1

Create a visualization that provides a breakdown between the male and female employees working in the company each year, starting from 1990.

SELECT

YEAR(d.from_date) AS calendar_year,

e.gender,

COUNT(e.emp_no) AS num_of_employees

FROM

t_employees e

JOIN

t_dept_emp d ON d.emp_no = e.emp_no

GROUP BY calendar_year , e.gender

HAVING calendar_year >= 1990

ORDER BY calendar_year;

Output

calendar_year	gender	num_of_employees
1990	M	8,134.00
1990	F	5,470.00
1991	M	8,295.00
1991	F	5,255.00
1992	M	8,480.00
1992	F	5,596.00
1993	M	8,483.00
1993	F	5,623.00
1994	M	8,468.00
1994	F	5,719.00
1995	M	8,623.00
1995	F	5,734.00
1996	M	8,818.00
1996	F	5,815.00
1997	M	8,930.00
1997	F	5,795.00
1998	M	8,929.00
1998	F	6,030.00

1999	M	9,199.00
1999	F	6,076.00
2000	M	1,896.00
2000	F	1,287.00
2001	M	1,153.00
2001	F	765.00
2002	M	668.00
2002	F	414.00

Task 2

Compare the number of male managers to the number of female managers from different departments for each year, starting from 1990.

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SELECT
  d.dept_name,
  ee.gender,
  dm.emp_no,
  dm.from_date,
  dm.to_date,
  e.calendar_year,
  CASE
    WHEN YEAR(dm.to_date) >= e.calendar_year AND YEAR(dm.from_date) <= e.calendar_year
  THEN 1
    ELSE 0
  END AS active
FROM
  (SELECT
    YEAR(hire_date) AS calendar_year
  FROM
    t_employees
  GROUP BY calendar_year) e
  CROSS JOIN
  t_dept_manager dm
  JOIN
  t_departments d ON dm.dept_no = d.dept_no
  JOIN
  t_employees ee ON dm.emp_no = ee.emp_no
ORDER BY dm.emp_no, calendar_year;

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Output

dept_name	gender	emp_no	from_date	to_date	calendar_year	active
Marketing	M	110022	12/30/1995	12/29/1998	1990	0
Marketing	M	110022	12/30/1995	12/29/1998	1991	0
Marketing	M	110022	12/30/1995	12/29/1998	1992	0
Marketing	M	110022	12/30/1995	12/29/1998	1993	0
Marketing	M	110022	12/30/1995	12/29/1998	1994	0
Marketing	M	110022	12/30/1995	12/29/1998	1995	1
Marketing	M	110022	12/30/1995	12/29/1998	1996	1
Marketing	M	110022	12/30/1995	12/29/1998	1997	1
Marketing	M	110022	12/30/1995	12/29/1998	1998	1
Marketing	M	110022	12/30/1995	12/29/1998	1999	0
Marketing	M	110022	12/30/1995	12/29/1998	2000	0
Marketing	M	110039	4/9/1997	1/1/9999	1990	0
Marketing	M	110039	4/9/1997	1/1/9999	1991	0
Marketing	M	110039	4/9/1997	1/1/9999	1992	0
Marketing	M	110039	4/9/1997	1/1/9999	1993	0
Marketing	M	110039	4/9/1997	1/1/9999	1994	0
Marketing	M	110039	4/9/1997	1/1/9999	1995	0
Marketing	M	110039	4/9/1997	1/1/9999	1996	0
Marketing	M	110039	4/9/1997	1/1/9999	1997	1
Marketing	M	110039	4/9/1997	1/1/9999	1998	1
Marketing	M	110039	4/9/1997	1/1/9999	1999	1
Marketing	M	110039	4/9/1997	1/1/9999	2000	1
Marketing	M	110040	12/31/1991	12/29/1997	1990	0
Marketing	M	110040	12/31/1991	12/29/1997	1991	1
Marketing	M	110040	12/31/1991	12/29/1997	1992	1
Marketing	M	110040	12/31/1991	12/29/1997	1993	1
Marketing	M	110040	12/31/1991	12/29/1997	1994	1
Marketing	M	110040	12/31/1991	12/29/1997	1995	1
Marketing	M	110040	12/31/1991	12/29/1997	1996	1
Marketing	M	110040	12/31/1991	12/29/1997	1997	1
Marketing	M	110040	12/31/1991	12/29/1997	1998	0
Marketing	M	110040	12/31/1991	12/29/1997	1999	0
Marketing	M	110040	12/31/1991	12/29/1997	2000	0
Marketing	F	110041	8/2/1993	8/1/1998	1990	0
Marketing	F	110041	8/2/1993	8/1/1998	1991	0
Marketing	F	110041	8/2/1993	8/1/1998	1992	0
Marketing	F	110041	8/2/1993	8/1/1998	1993	1
Marketing	F	110041	8/2/1993	8/1/1998	1994	1

Marketing	F	110041	8/2/1993	8/1/1998	1995	1
Marketing	F	110041	8/2/1993	8/1/1998	1996	1
Marketing	F	110041	8/2/1993	8/1/1998	1997	1
Marketing	F	110041	8/2/1993	8/1/1998	1998	1
Marketing	F	110041	8/2/1993	8/1/1998	1999	0
Marketing	F	110041	8/2/1993	8/1/1998	2000	0
Marketing	M	110042	12/30/1993	12/28/2000	1990	0
Marketing	M	110042	12/30/1993	12/28/2000	1991	0
Marketing	M	110042	12/30/1993	12/28/2000	1992	0
Marketing	M	110042	12/30/1993	12/28/2000	1993	1
Marketing	M	110042	12/30/1993	12/28/2000	1994	1
Marketing	M	110042	12/30/1993	12/28/2000	1995	1
Marketing	M	110042	12/30/1993	12/28/2000	1996	1
Marketing	M	110042	12/30/1993	12/28/2000	1997	1
Marketing	M	110042	12/30/1993	12/28/2000	1998	1
Marketing	M	110042	12/30/1993	12/28/2000	1999	1
Marketing	M	110042	12/30/1993	12/28/2000	2000	1
Marketing	F	110043	11/20/1992	11/19/1997	1990	0
Marketing	F	110043	11/20/1992	11/19/1997	1991	0
Marketing	F	110043	11/20/1992	11/19/1997	1992	1
Marketing	F	110043	11/20/1992	11/19/1997	1993	1
Marketing	F	110043	11/20/1992	11/19/1997	1994	1
Marketing	F	110043	11/20/1992	11/19/1997	1995	1
Marketing	F	110043	11/20/1992	11/19/1997	1996	1
Marketing	F	110043	11/20/1992	11/19/1997	1997	1
Marketing	F	110043	11/20/1992	11/19/1997	1998	0
Marketing	F	110043	11/20/1992	11/19/1997	1999	0
Marketing	F	110043	11/20/1992	11/19/1997	2000	0
Marketing	F	110044	10/13/1995	10/11/2000	1990	0
Marketing	F	110044	10/13/1995	10/11/2000	1991	0
Marketing	F	110044	10/13/1995	10/11/2000	1992	0
Marketing	F	110044	10/13/1995	10/11/2000	1993	0
Marketing	F	110044	10/13/1995	10/11/2000	1994	0
Marketing	F	110044	10/13/1995	10/11/2000	1995	1
Marketing	F	110044	10/13/1995	10/11/2000	1996	1
Marketing	F	110044	10/13/1995	10/11/2000	1997	1
Marketing	F	110044	10/13/1995	10/11/2000	1998	1
Marketing	F	110044	10/13/1995	10/11/2000	1999	1
Marketing	F	110044	10/13/1995	10/11/2000	2000	1
Marketing	M	110045	2/4/1995	1/1/9999	1990	0
Marketing	M	110045	2/4/1995	1/1/9999	1991	0

Marketing	M	110045	2/4/1995	1/1/9999	1992	0
Marketing	M	110045	2/4/1995	1/1/9999	1993	0
Marketing	M	110045	2/4/1995	1/1/9999	1994	0
Marketing	M	110045	2/4/1995	1/1/9999	1995	1
Marketing	M	110045	2/4/1995	1/1/9999	1996	1
Marketing	M	110045	2/4/1995	1/1/9999	1997	1
Marketing	M	110045	2/4/1995	1/1/9999	1998	1
Marketing	M	110045	2/4/1995	1/1/9999	1999	1
Marketing	M	110045	2/4/1995	1/1/9999	2000	1
Marketing	F	110046	12/29/1996	12/28/2002	1990	0
Marketing	F	110046	12/29/1996	12/28/2002	1991	0
Marketing	F	110046	12/29/1996	12/28/2002	1992	0
Marketing	F	110046	12/29/1996	12/28/2002	1993	0
Marketing	F	110046	12/29/1996	12/28/2002	1994	0
Marketing	F	110046	12/29/1996	12/28/2002	1995	0
Marketing	F	110046	12/29/1996	12/28/2002	1996	1
Marketing	F	110046	12/29/1996	12/28/2002	1997	1
Marketing	F	110046	12/29/1996	12/28/2002	1998	1
Marketing	F	110046	12/29/1996	12/28/2002	1999	1
Marketing	F	110046	12/29/1996	12/28/2002	2000	1
Marketing	F	110047	1/6/1993	1/5/1999	1990	0
Marketing	F	110047	1/6/1993	1/5/1999	1991	0
Marketing	F	110047	1/6/1993	1/5/1999	1992	0
Marketing	F	110047	1/6/1993	1/5/1999	1993	1
Marketing	F	110047	1/6/1993	1/5/1999	1994	1
Marketing	F	110047	1/6/1993	1/5/1999	1995	1
Marketing	F	110047	1/6/1993	1/5/1999	1996	1
Marketing	F	110047	1/6/1993	1/5/1999	1997	1
Marketing	F	110047	1/6/1993	1/5/1999	1998	1
Marketing	F	110047	1/6/1993	1/5/1999	1999	1
Marketing	F	110047	1/6/1993	1/5/1999	2000	0
Marketing	M	110048	8/10/1994	8/9/1999	1990	0
Marketing	M	110048	8/10/1994	8/9/1999	1991	0
Marketing	M	110048	8/10/1994	8/9/1999	1992	0
Marketing	M	110048	8/10/1994	8/9/1999	1993	0
Marketing	M	110048	8/10/1994	8/9/1999	1994	1
Marketing	M	110048	8/10/1994	8/9/1999	1995	1
Marketing	M	110048	8/10/1994	8/9/1999	1996	1
Marketing	M	110048	8/10/1994	8/9/1999	1997	1
Marketing	M	110048	8/10/1994	8/9/1999	1998	1
Marketing	M	110048	8/10/1994	8/9/1999	1999	1

Marketing	M	110048	8/10/1994	8/9/1999	2000	0
Marketing	M	110049	6/9/1991	6/7/1999	1990	0
Marketing	M	110049	6/9/1991	6/7/1999	1991	1
Marketing	M	110049	6/9/1991	6/7/1999	1992	1
Marketing	M	110049	6/9/1991	6/7/1999	1993	1
Marketing	M	110049	6/9/1991	6/7/1999	1994	1
Marketing	M	110049	6/9/1991	6/7/1999	1995	1
Marketing	M	110049	6/9/1991	6/7/1999	1996	1
Marketing	M	110049	6/9/1991	6/7/1999	1997	1
Marketing	M	110049	6/9/1991	6/7/1999	1998	1
Marketing	M	110049	6/9/1991	6/7/1999	1999	1
Marketing	M	110049	6/9/1991	6/7/1999	2000	0
Marketing	F	110050	5/29/1998	5/27/2000	1990	0
Marketing	F	110050	5/29/1998	5/27/2000	1991	0
Marketing	F	110050	5/29/1998	5/27/2000	1992	0
Marketing	F	110050	5/29/1998	5/27/2000	1993	0
Marketing	F	110050	5/29/1998	5/27/2000	1994	0
Marketing	F	110050	5/29/1998	5/27/2000	1995	0
Marketing	F	110050	5/29/1998	5/27/2000	1996	0
Marketing	F	110050	5/29/1998	5/27/2000	1997	0
Marketing	F	110050	5/29/1998	5/27/2000	1998	1
Marketing	F	110050	5/29/1998	5/27/2000	1999	1
Marketing	F	110050	5/29/1998	5/27/2000	2000	1
Marketing	M	110051	5/29/1999	5/27/2000	1990	0
Marketing	M	110051	5/29/1999	5/27/2000	1991	0
Marketing	M	110051	5/29/1999	5/27/2000	1992	0
Marketing	M	110051	5/29/1999	5/27/2000	1993	0
Marketing	M	110051	5/29/1999	5/27/2000	1994	0
Marketing	M	110051	5/29/1999	5/27/2000	1995	0
Marketing	M	110051	5/29/1999	5/27/2000	1996	0
Marketing	M	110051	5/29/1999	5/27/2000	1997	0
Marketing	M	110051	5/29/1999	5/27/2000	1998	0
Marketing	M	110051	5/29/1999	5/27/2000	1999	1
Marketing	M	110051	5/29/1999	5/27/2000	2000	1
Finance	M	110085	12/31/1991	12/29/1998	1990	0
Finance	M	110085	12/31/1991	12/29/1998	1991	1
Finance	M	110085	12/31/1991	12/29/1998	1992	1
Finance	M	110085	12/31/1991	12/29/1998	1993	1
Finance	M	110085	12/31/1991	12/29/1998	1994	1
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Finance	M	110085	12/31/1991	12/29/1998	1996	1

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Finance	M	110085	12/31/1991	12/29/1998	1999	0
Finance	M	110085	12/31/1991	12/29/1998	2000	0
Finance	F	110114	1/13/1991	1/1/9999	1990	0
Finance	F	110114	1/13/1991	1/1/9999	1991	1
Finance	F	110114	1/13/1991	1/1/9999	1992	1
Finance	F	110114	1/13/1991	1/1/9999	1993	1
Finance	F	110114	1/13/1991	1/1/9999	1994	1
Finance	F	110114	1/13/1991	1/1/9999	1995	1
Finance	F	110114	1/13/1991	1/1/9999	1996	1
Finance	F	110114	1/13/1991	1/1/9999	1997	1
Finance	F	110114	1/13/1991	1/1/9999	1998	1
Finance	F	110114	1/13/1991	1/1/9999	1999	1
Finance	F	110114	1/13/1991	1/1/9999	2000	1
Finance	F	110115	12/30/1993	12/29/1999	1990	0
Finance	F	110115	12/30/1993	12/29/1999	1991	0
Finance	F	110115	12/30/1993	12/29/1999	1992	0
Finance	F	110115	12/30/1993	12/29/1999	1993	1
Finance	F	110115	12/30/1993	12/29/1999	1994	1
Finance	F	110115	12/30/1993	12/29/1999	1995	1
Finance	F	110115	12/30/1993	12/29/1999	1996	1
Finance	F	110115	12/30/1993	12/29/1999	1997	1
Finance	F	110115	12/30/1993	12/29/1999	1998	1
Finance	F	110115	12/30/1993	12/29/1999	1999	1
Finance	F	110115	12/30/1993	12/29/1999	2000	0
Finance	F	110116	8/2/1995	7/31/2000	1990	0
Finance	F	110116	8/2/1995	7/31/2000	1991	0
Finance	F	110116	8/2/1995	7/31/2000	1992	0
Finance	F	110116	8/2/1995	7/31/2000	1993	0
Finance	F	110116	8/2/1995	7/31/2000	1994	0
Finance	F	110116	8/2/1995	7/31/2000	1995	1
Finance	F	110116	8/2/1995	7/31/2000	1996	1
Finance	F	110116	8/2/1995	7/31/2000	1997	1
Finance	F	110116	8/2/1995	7/31/2000	1998	1
Finance	F	110116	8/2/1995	7/31/2000	1999	1
Finance	F	110116	8/2/1995	7/31/2000	2000	1
Finance	M	110117	12/30/1995	12/28/2002	1990	0
Finance	M	110117	12/30/1995	12/28/2002	1991	0
Finance	M	110117	12/30/1995	12/28/2002	1992	0
Finance	M	110117	12/30/1995	12/28/2002	1993	0

Finance	M	110117	12/30/1995	12/28/2002	1994	0
Finance	M	110117	12/30/1995	12/28/2002	1995	1
Finance	M	110117	12/30/1995	12/28/2002	1996	1
Finance	M	110117	12/30/1995	12/28/2002	1997	1
Finance	M	110117	12/30/1995	12/28/2002	1998	1
Finance	M	110117	12/30/1995	12/28/2002	1999	1
Finance	M	110117	12/30/1995	12/28/2002	2000	1
Finance	M	110118	11/20/1994	11/19/1999	1990	0
Finance	M	110118	11/20/1994	11/19/1999	1991	0
Finance	M	110118	11/20/1994	11/19/1999	1992	0
Finance	M	110118	11/20/1994	11/19/1999	1993	0
Finance	M	110118	11/20/1994	11/19/1999	1994	1
Finance	M	110118	11/20/1994	11/19/1999	1995	1
Finance	M	110118	11/20/1994	11/19/1999	1996	1
Finance	M	110118	11/20/1994	11/19/1999	1997	1
Finance	M	110118	11/20/1994	11/19/1999	1998	1
Finance	M	110118	11/20/1994	11/19/1999	1999	1
Finance	M	110118	11/20/1994	11/19/1999	2000	0
Finance	M	110119	10/12/1997	10/11/2002	1990	0
Finance	M	110119	10/12/1997	10/11/2002	1991	0
Finance	M	110119	10/12/1997	10/11/2002	1992	0
Finance	M	110119	10/12/1997	10/11/2002	1993	0
Finance	M	110119	10/12/1997	10/11/2002	1994	0
Finance	M	110119	10/12/1997	10/11/2002	1995	0
Finance	M	110119	10/12/1997	10/11/2002	1996	0
Finance	M	110119	10/12/1997	10/11/2002	1997	1
Finance	M	110119	10/12/1997	10/11/2002	1998	1
Finance	M	110119	10/12/1997	10/11/2002	1999	1
Finance	M	110119	10/12/1997	10/11/2002	2000	1
Finance	M	110120	2/3/1997	1/1/9999	1990	0
Finance	M	110120	2/3/1997	1/1/9999	1991	0
Finance	M	110120	2/3/1997	1/1/9999	1992	0
Finance	M	110120	2/3/1997	1/1/9999	1993	0
Finance	M	110120	2/3/1997	1/1/9999	1994	0
Finance	M	110120	2/3/1997	1/1/9999	1995	0
Finance	M	110120	2/3/1997	1/1/9999	1996	0
Finance	M	110120	2/3/1997	1/1/9999	1997	1
Finance	M	110120	2/3/1997	1/1/9999	1998	1
Finance	M	110120	2/3/1997	1/1/9999	1999	1
Finance	M	110120	2/3/1997	1/1/9999	2000	1
Finance	M	110121	12/29/1998	12/27/2004	1990	0

Finance	M	110121	12/29/1998	12/27/2004	1991	0
Finance	M	110121	12/29/1998	12/27/2004	1992	0
Finance	M	110121	12/29/1998	12/27/2004	1993	0
Finance	M	110121	12/29/1998	12/27/2004	1994	0
Finance	M	110121	12/29/1998	12/27/2004	1995	0
Finance	M	110121	12/29/1998	12/27/2004	1996	0
Finance	M	110121	12/29/1998	12/27/2004	1997	0
Finance	M	110121	12/29/1998	12/27/2004	1998	1
Finance	M	110121	12/29/1998	12/27/2004	1999	1
Finance	M	110121	12/29/1998	12/27/2004	2000	1
Finance	F	110122	1/6/1995	1/4/2001	1990	0
Finance	F	110122	1/6/1995	1/4/2001	1991	0
Finance	F	110122	1/6/1995	1/4/2001	1992	0
Finance	F	110122	1/6/1995	1/4/2001	1993	0
Finance	F	110122	1/6/1995	1/4/2001	1994	0
Finance	F	110122	1/6/1995	1/4/2001	1995	1
Finance	F	110122	1/6/1995	1/4/2001	1996	1
Finance	F	110122	1/6/1995	1/4/2001	1997	1
Finance	F	110122	1/6/1995	1/4/2001	1998	1
Finance	F	110122	1/6/1995	1/4/2001	1999	1
Finance	F	110122	1/6/1995	1/4/2001	2000	1
Finance	M	110123	8/9/1996	8/8/2001	1990	0
Finance	M	110123	8/9/1996	8/8/2001	1991	0
Finance	M	110123	8/9/1996	8/8/2001	1992	0
Finance	M	110123	8/9/1996	8/8/2001	1993	0
Finance	M	110123	8/9/1996	8/8/2001	1994	0
Finance	M	110123	8/9/1996	8/8/2001	1995	0
Finance	M	110123	8/9/1996	8/8/2001	1996	1
Finance	M	110123	8/9/1996	8/8/2001	1997	1
Finance	M	110123	8/9/1996	8/8/2001	1998	1
Finance	M	110123	8/9/1996	8/8/2001	1999	1
Finance	M	110123	8/9/1996	8/8/2001	2000	1
Finance	M	110124	6/8/1993	6/6/2001	1990	0
Finance	M	110124	6/8/1993	6/6/2001	1991	0
Finance	M	110124	6/8/1993	6/6/2001	1992	0
Finance	M	110124	6/8/1993	6/6/2001	1993	1
Finance	M	110124	6/8/1993	6/6/2001	1994	1
Finance	M	110124	6/8/1993	6/6/2001	1995	1
Finance	M	110124	6/8/1993	6/6/2001	1996	1
Finance	M	110124	6/8/1993	6/6/2001	1997	1
Finance	M	110124	6/8/1993	6/6/2001	1998	1

Finance	M	110124	6/8/1993	6/6/2001	1999	1
Finance	M	110124	6/8/1993	6/6/2001	2000	1
Finance	M	110125	12/30/1993	12/28/2000	1990	0
Finance	M	110125	12/30/1993	12/28/2000	1991	0
Finance	M	110125	12/30/1993	12/28/2000	1992	0
Finance	M	110125	12/30/1993	12/28/2000	1993	1
Finance	M	110125	12/30/1993	12/28/2000	1994	1
Finance	M	110125	12/30/1993	12/28/2000	1995	1
Finance	M	110125	12/30/1993	12/28/2000	1996	1
Finance	M	110125	12/30/1993	12/28/2000	1997	1
Finance	M	110125	12/30/1993	12/28/2000	1998	1
Finance	M	110125	12/30/1993	12/28/2000	1999	1
Finance	M	110125	12/30/1993	12/28/2000	2000	1
Finance	M	110126	5/29/1999	5/27/2000	1990	0
Finance	M	110126	5/29/1999	5/27/2000	1991	0
Finance	M	110126	5/29/1999	5/27/2000	1992	0
Finance	M	110126	5/29/1999	5/27/2000	1993	0
Finance	M	110126	5/29/1999	5/27/2000	1994	0
Finance	M	110126	5/29/1999	5/27/2000	1995	0
Finance	M	110126	5/29/1999	5/27/2000	1996	0
Finance	M	110126	5/29/1999	5/27/2000	1997	0
Finance	M	110126	5/29/1999	5/27/2000	1998	0
Finance	M	110126	5/29/1999	5/27/2000	1999	1
Finance	M	110126	5/29/1999	5/27/2000	2000	1
Finance	M	110127	5/29/2000	1/1/9999	1990	0
Finance	M	110127	5/29/2000	1/1/9999	1991	0
Finance	M	110127	5/29/2000	1/1/9999	1992	0
Finance	M	110127	5/29/2000	1/1/9999	1993	0
Finance	M	110127	5/29/2000	1/1/9999	1994	0
Finance	M	110127	5/29/2000	1/1/9999	1995	0
Finance	M	110127	5/29/2000	1/1/9999	1996	0
Finance	M	110127	5/29/2000	1/1/9999	1997	0
Finance	M	110127	5/29/2000	1/1/9999	1998	0
Finance	M	110127	5/29/2000	1/1/9999	1999	0
Finance	M	110127	5/29/2000	1/1/9999	2000	1
Human Resources	F	110183	12/31/1990	12/29/1996	1990	1
Human Resources	F	110183	12/31/1990	12/29/1996	1991	1
Human Resources	F	110183	12/31/1990	12/29/1996	1992	1
Human Resources	F	110183	12/31/1990	12/29/1996	1993	1
Human Resources	F	110183	12/31/1990	12/29/1996	1994	1
Human Resources	F	110183	12/31/1990	12/29/1996	1995	1

Human Resources	F	110183	12/31/1990	12/29/1996	1996	1
Human Resources	F	110183	12/31/1990	12/29/1996	1997	0
Human Resources	F	110183	12/31/1990	12/29/1996	1998	0
Human Resources	F	110183	12/31/1990	12/29/1996	1999	0
Human Resources	F	110183	12/31/1990	12/29/1996	2000	0
Human Resources	F	110228	8/2/1992	8/1/1997	1990	0
Human Resources	F	110228	8/2/1992	8/1/1997	1991	0
Human Resources	F	110228	8/2/1992	8/1/1997	1992	1
Human Resources	F	110228	8/2/1992	8/1/1997	1993	1
Human Resources	F	110228	8/2/1992	8/1/1997	1994	1
Human Resources	F	110228	8/2/1992	8/1/1997	1995	1
Human Resources	F	110228	8/2/1992	8/1/1997	1996	1
Human Resources	F	110228	8/2/1992	8/1/1997	1997	1
Human Resources	F	110228	8/2/1992	8/1/1997	1998	0
Human Resources	F	110228	8/2/1992	8/1/1997	1999	0
Human Resources	F	110228	8/2/1992	8/1/1997	2000	0
Human Resources	M	110229	11/25/1994	11/23/2001	1990	0
Human Resources	M	110229	11/25/1994	11/23/2001	1991	0
Human Resources	M	110229	11/25/1994	11/23/2001	1992	0
Human Resources	M	110229	11/25/1994	11/23/2001	1993	0
Human Resources	M	110229	11/25/1994	11/23/2001	1994	1
Human Resources	M	110229	11/25/1994	11/23/2001	1995	1
Human Resources	M	110229	11/25/1994	11/23/2001	1996	1
Human Resources	M	110229	11/25/1994	11/23/2001	1997	1
Human Resources	M	110229	11/25/1994	11/23/2001	1998	1
Human Resources	M	110229	11/25/1994	11/23/2001	1999	1
Human Resources	M	110229	11/25/1994	11/23/2001	2000	1
Human Resources	M	110230	10/16/1993	10/15/1998	1990	0
Human Resources	M	110230	10/16/1993	10/15/1998	1991	0
Human Resources	M	110230	10/16/1993	10/15/1998	1992	0
Human Resources	M	110230	10/16/1993	10/15/1998	1993	1
Human Resources	M	110230	10/16/1993	10/15/1998	1994	1
Human Resources	M	110230	10/16/1993	10/15/1998	1995	1
Human Resources	M	110230	10/16/1993	10/15/1998	1996	1
Human Resources	M	110230	10/16/1993	10/15/1998	1997	1
Human Resources	M	110230	10/16/1993	10/15/1998	1998	1
Human Resources	M	110230	10/16/1993	10/15/1998	1999	0
Human Resources	M	110230	10/16/1993	10/15/1998	2000	0
Human Resources	M	110231	9/7/1996	9/6/2001	1990	0
Human Resources	M	110231	9/7/1996	9/6/2001	1991	0
Human Resources	M	110231	9/7/1996	9/6/2001	1992	0

Human Resources	M	110231	9/7/1996	9/6/2001	1993	0
Human Resources	M	110231	9/7/1996	9/6/2001	1994	0
Human Resources	M	110231	9/7/1996	9/6/2001	1995	0
Human Resources	M	110231	9/7/1996	9/6/2001	1996	1
Human Resources	M	110231	9/7/1996	9/6/2001	1997	1
Human Resources	M	110231	9/7/1996	9/6/2001	1998	1
Human Resources	M	110231	9/7/1996	9/6/2001	1999	1
Human Resources	M	110231	9/7/1996	9/6/2001	2000	1
Human Resources	M	110232	12/31/1995	1/1/9999	1990	0
Human Resources	M	110232	12/31/1995	1/1/9999	1991	0
Human Resources	M	110232	12/31/1995	1/1/9999	1992	0
Human Resources	M	110232	12/31/1995	1/1/9999	1993	0
Human Resources	M	110232	12/31/1995	1/1/9999	1994	0
Human Resources	M	110232	12/31/1995	1/1/9999	1995	1
Human Resources	M	110232	12/31/1995	1/1/9999	1996	1
Human Resources	M	110232	12/31/1995	1/1/9999	1997	1
Human Resources	M	110232	12/31/1995	1/1/9999	1998	1
Human Resources	M	110232	12/31/1995	1/1/9999	1999	1
Human Resources	M	110232	12/31/1995	1/1/9999	2000	1
Human Resources	M	110233	11/24/1997	11/23/2003	1990	0
Human Resources	M	110233	11/24/1997	11/23/2003	1991	0
Human Resources	M	110233	11/24/1997	11/23/2003	1992	0
Human Resources	M	110233	11/24/1997	11/23/2003	1993	0
Human Resources	M	110233	11/24/1997	11/23/2003	1994	0
Human Resources	M	110233	11/24/1997	11/23/2003	1995	0
Human Resources	M	110233	11/24/1997	11/23/2003	1996	0
Human Resources	M	110233	11/24/1997	11/23/2003	1997	1
Human Resources	M	110233	11/24/1997	11/23/2003	1998	1
Human Resources	M	110233	11/24/1997	11/23/2003	1999	1
Human Resources	M	110233	11/24/1997	11/23/2003	2000	1
Human Resources	F	110234	12/2/1993	12/1/1999	1990	0
Human Resources	F	110234	12/2/1993	12/1/1999	1991	0
Human Resources	F	110234	12/2/1993	12/1/1999	1992	0
Human Resources	F	110234	12/2/1993	12/1/1999	1993	1
Human Resources	F	110234	12/2/1993	12/1/1999	1994	1
Human Resources	F	110234	12/2/1993	12/1/1999	1995	1
Human Resources	F	110234	12/2/1993	12/1/1999	1996	1
Human Resources	F	110234	12/2/1993	12/1/1999	1997	1
Human Resources	F	110234	12/2/1993	12/1/1999	1998	1
Human Resources	F	110234	12/2/1993	12/1/1999	1999	1
Human Resources	F	110234	12/2/1993	12/1/1999	2000	0

Human Resources	M	110235	7/6/1995	7/4/2000	1990	0
Human Resources	M	110235	7/6/1995	7/4/2000	1991	0
Human Resources	M	110235	7/6/1995	7/4/2000	1992	0
Human Resources	M	110235	7/6/1995	7/4/2000	1993	0
Human Resources	M	110235	7/6/1995	7/4/2000	1994	0
Human Resources	M	110235	7/6/1995	7/4/2000	1995	1
Human Resources	M	110235	7/6/1995	7/4/2000	1996	1
Human Resources	M	110235	7/6/1995	7/4/2000	1997	1
Human Resources	M	110235	7/6/1995	7/4/2000	1998	1
Human Resources	M	110235	7/6/1995	7/4/2000	1999	1
Human Resources	M	110235	7/6/1995	7/4/2000	2000	1
Human Resources	F	110236	5/4/1992	5/2/2000	1990	0
Human Resources	F	110236	5/4/1992	5/2/2000	1991	0
Human Resources	F	110236	5/4/1992	5/2/2000	1992	1
Human Resources	F	110236	5/4/1992	5/2/2000	1993	1
Human Resources	F	110236	5/4/1992	5/2/2000	1994	1
Human Resources	F	110236	5/4/1992	5/2/2000	1995	1
Human Resources	F	110236	5/4/1992	5/2/2000	1996	1
Human Resources	F	110236	5/4/1992	5/2/2000	1997	1
Human Resources	F	110236	5/4/1992	5/2/2000	1998	1
Human Resources	F	110236	5/4/1992	5/2/2000	1999	1
Human Resources	F	110236	5/4/1992	5/2/2000	2000	1
Human Resources	M	110237	10/1/1992	9/29/2000	1990	0
Human Resources	M	110237	10/1/1992	9/29/2000	1991	0
Human Resources	M	110237	10/1/1992	9/29/2000	1992	1
Human Resources	M	110237	10/1/1992	9/29/2000	1993	1
Human Resources	M	110237	10/1/1992	9/29/2000	1994	1
Human Resources	M	110237	10/1/1992	9/29/2000	1995	1
Human Resources	M	110237	10/1/1992	9/29/2000	1996	1
Human Resources	M	110237	10/1/1992	9/29/2000	1997	1
Human Resources	M	110237	10/1/1992	9/29/2000	1998	1
Human Resources	M	110237	10/1/1992	9/29/2000	1999	1
Human Resources	M	110237	10/1/1992	9/29/2000	2000	1
Human Resources	F	110238	5/15/1994	5/27/2000	1990	0
Human Resources	F	110238	5/15/1994	5/27/2000	1991	0
Human Resources	F	110238	5/15/1994	5/27/2000	1992	0
Human Resources	F	110238	5/15/1994	5/27/2000	1993	0
Human Resources	F	110238	5/15/1994	5/27/2000	1994	1
Human Resources	F	110238	5/15/1994	5/27/2000	1995	1
Human Resources	F	110238	5/15/1994	5/27/2000	1996	1
Human Resources	F	110238	5/15/1994	5/27/2000	1997	1

Human Resources	F	110238	5/15/1994	5/27/2000	1998	1
Human Resources	F	110238	5/15/1994	5/27/2000	1999	1
Human Resources	F	110238	5/15/1994	5/27/2000	2000	1
Human Resources	M	110239	5/29/1997	5/27/2000	1990	0
Human Resources	M	110239	5/29/1997	5/27/2000	1991	0
Human Resources	M	110239	5/29/1997	5/27/2000	1992	0
Human Resources	M	110239	5/29/1997	5/27/2000	1993	0
Human Resources	M	110239	5/29/1997	5/27/2000	1994	0
Human Resources	M	110239	5/29/1997	5/27/2000	1995	0
Human Resources	M	110239	5/29/1997	5/27/2000	1996	0
Human Resources	M	110239	5/29/1997	5/27/2000	1997	1
Human Resources	M	110239	5/29/1997	5/27/2000	1998	1
Human Resources	M	110239	5/29/1997	5/27/2000	1999	1
Human Resources	M	110239	5/29/1997	5/27/2000	2000	1
Human Resources	F	110240	5/29/2000	1/1/9999	1990	0
Human Resources	F	110240	5/29/2000	1/1/9999	1991	0
Human Resources	F	110240	5/29/2000	1/1/9999	1992	0
Human Resources	F	110240	5/29/2000	1/1/9999	1993	0
Human Resources	F	110240	5/29/2000	1/1/9999	1994	0
Human Resources	F	110240	5/29/2000	1/1/9999	1995	0
Human Resources	F	110240	5/29/2000	1/1/9999	1996	0
Human Resources	F	110240	5/29/2000	1/1/9999	1997	0
Human Resources	F	110240	5/29/2000	1/1/9999	1998	0
Human Resources	F	110240	5/29/2000	1/1/9999	1999	0
Human Resources	F	110240	5/29/2000	1/1/9999	2000	1
Production	F	110303	12/30/1992	12/29/1999	1990	0
Production	F	110303	12/30/1992	12/29/1999	1991	0
Production	F	110303	12/30/1992	12/29/1999	1992	1
Production	F	110303	12/30/1992	12/29/1999	1993	1
Production	F	110303	12/30/1992	12/29/1999	1994	1
Production	F	110303	12/30/1992	12/29/1999	1995	1
Production	F	110303	12/30/1992	12/29/1999	1996	1
Production	F	110303	12/30/1992	12/29/1999	1997	1
Production	F	110303	12/30/1992	12/29/1999	1998	1
Production	F	110303	12/30/1992	12/29/1999	1999	1
Production	F	110303	12/30/1992	12/29/1999	2000	0
Production	F	110344	11/21/1991	11/19/1996	1990	0
Production	F	110344	11/21/1991	11/19/1996	1991	1
Production	F	110344	11/21/1991	11/19/1996	1992	1
Production	F	110344	11/21/1991	11/19/1996	1993	1
Production	F	110344	11/21/1991	11/19/1996	1994	1

Production	F	110344	11/21/1991	11/19/1996	1995	1
Production	F	110344	11/21/1991	11/19/1996	1996	1
Production	F	110344	11/21/1991	11/19/1996	1997	0
Production	F	110344	11/21/1991	11/19/1996	1998	0
Production	F	110344	11/21/1991	11/19/1996	1999	0
Production	F	110344	11/21/1991	11/19/1996	2000	0
Production	M	110386	10/13/1994	10/12/1999	1990	0
Production	M	110386	10/13/1994	10/12/1999	1991	0
Production	M	110386	10/13/1994	10/12/1999	1992	0
Production	M	110386	10/13/1994	10/12/1999	1993	0
Production	M	110386	10/13/1994	10/12/1999	1994	1
Production	M	110386	10/13/1994	10/12/1999	1995	1
Production	M	110386	10/13/1994	10/12/1999	1996	1
Production	M	110386	10/13/1994	10/12/1999	1997	1
Production	M	110386	10/13/1994	10/12/1999	1998	1
Production	M	110386	10/13/1994	10/12/1999	1999	1
Production	M	110386	10/13/1994	10/12/1999	2000	0
Production	M	110420	2/4/1994	1/1/9999	1990	0
Production	M	110420	2/4/1994	1/1/9999	1991	0
Production	M	110420	2/4/1994	1/1/9999	1992	0
Production	M	110420	2/4/1994	1/1/9999	1993	0
Production	M	110420	2/4/1994	1/1/9999	1994	1
Production	M	110420	2/4/1994	1/1/9999	1995	1
Production	M	110420	2/4/1994	1/1/9999	1996	1
Production	M	110420	2/4/1994	1/1/9999	1997	1
Production	M	110420	2/4/1994	1/1/9999	1998	1
Production	M	110420	2/4/1994	1/1/9999	1999	1
Production	M	110420	2/4/1994	1/1/9999	2000	1
Production	M	110421	1/30/1991	6/7/1996	1990	0
Production	M	110421	1/30/1991	6/7/1996	1991	1
Production	M	110421	1/30/1991	6/7/1996	1992	1
Production	M	110421	1/30/1991	6/7/1996	1993	1
Production	M	110421	1/30/1991	6/7/1996	1994	1
Production	M	110421	1/30/1991	6/7/1996	1995	1
Production	M	110421	1/30/1991	6/7/1996	1996	1
Production	M	110421	1/30/1991	6/7/1996	1997	0
Production	M	110421	1/30/1991	6/7/1996	1998	0
Production	M	110421	1/30/1991	6/7/1996	1999	0
Production	M	110421	1/30/1991	6/7/1996	2000	0
Production	M	110422	3/11/1990	7/18/1993	1990	1
Production	M	110422	3/11/1990	7/18/1993	1991	1

Production	M	110422	3/11/1990	7/18/1993	1992	1
Production	M	110422	3/11/1990	7/18/1993	1993	1
Production	M	110422	3/11/1990	7/18/1993	1994	0
Production	M	110422	3/11/1990	7/18/1993	1995	0
Production	M	110422	3/11/1990	7/18/1993	1996	0
Production	M	110422	3/11/1990	7/18/1993	1997	0
Production	M	110422	3/11/1990	7/18/1993	1998	0
Production	M	110422	3/11/1990	7/18/1993	1999	0
Production	M	110422	3/11/1990	7/18/1993	2000	0
Production	M	110423	3/23/1991	3/21/1996	1990	0
Production	M	110423	3/23/1991	3/21/1996	1991	1
Production	M	110423	3/23/1991	3/21/1996	1992	1
Production	M	110423	3/23/1991	3/21/1996	1993	1
Production	M	110423	3/23/1991	3/21/1996	1994	1
Production	M	110423	3/23/1991	3/21/1996	1995	1
Production	M	110423	3/23/1991	3/21/1996	1996	1
Production	M	110423	3/23/1991	3/21/1996	1997	0
Production	M	110423	3/23/1991	3/21/1996	1998	0
Production	M	110423	3/23/1991	3/21/1996	1999	0
Production	M	110423	3/23/1991	3/21/1996	2000	0
Production	M	110424	7/15/1990	2/11/1992	1990	1
Production	M	110424	7/15/1990	2/11/1992	1991	1
Production	M	110424	7/15/1990	2/11/1992	1992	1
Production	M	110424	7/15/1990	2/11/1992	1993	0
Production	M	110424	7/15/1990	2/11/1992	1994	0
Production	M	110424	7/15/1990	2/11/1992	1995	0
Production	M	110424	7/15/1990	2/11/1992	1996	0
Production	M	110424	7/15/1990	2/11/1992	1997	0
Production	M	110424	7/15/1990	2/11/1992	1998	0
Production	M	110424	7/15/1990	2/11/1992	1999	0
Production	M	110424	7/15/1990	2/11/1992	2000	0
Production	M	110425	12/30/1992	12/28/2001	1990	0
Production	M	110425	12/30/1992	12/28/2001	1991	0
Production	M	110425	12/30/1992	12/28/2001	1992	1
Production	M	110425	12/30/1992	12/28/2001	1993	1
Production	M	110425	12/30/1992	12/28/2001	1994	1
Production	M	110425	12/30/1992	12/28/2001	1995	1
Production	M	110425	12/30/1992	12/28/2001	1996	1
Production	M	110425	12/30/1992	12/28/2001	1997	1
Production	M	110425	12/30/1992	12/28/2001	1998	1
Production	M	110425	12/30/1992	12/28/2001	1999	1

Production	M	110425	12/30/1992	12/28/2001	2000	1
Production	M	110426	4/25/1993	10/18/1998	1990	0
Production	M	110426	4/25/1993	10/18/1998	1991	0
Production	M	110426	4/25/1993	10/18/1998	1992	0
Production	M	110426	4/25/1993	10/18/1998	1993	1
Production	M	110426	4/25/1993	10/18/1998	1994	1
Production	M	110426	4/25/1993	10/18/1998	1995	1
Production	M	110426	4/25/1993	10/18/1998	1996	1
Production	M	110426	4/25/1993	10/18/1998	1997	1
Production	M	110426	4/25/1993	10/18/1998	1998	1
Production	M	110426	4/25/1993	10/18/1998	1999	0
Production	M	110426	4/25/1993	10/18/1998	2000	0
Production	M	110427	3/30/1993	3/29/1998	1990	0
Production	M	110427	3/30/1993	3/29/1998	1991	0
Production	M	110427	3/30/1993	3/29/1998	1992	0
Production	M	110427	3/30/1993	3/29/1998	1993	1
Production	M	110427	3/30/1993	3/29/1998	1994	1
Production	M	110427	3/30/1993	3/29/1998	1995	1
Production	M	110427	3/30/1993	3/29/1998	1996	1
Production	M	110427	3/30/1993	3/29/1998	1997	1
Production	M	110427	3/30/1993	3/29/1998	1998	1
Production	M	110427	3/30/1993	3/29/1998	1999	0
Production	M	110427	3/30/1993	3/29/1998	2000	0
Production	M	110428	2/20/1996	2/18/2001	1990	0
Production	M	110428	2/20/1996	2/18/2001	1991	0
Production	M	110428	2/20/1996	2/18/2001	1992	0
Production	M	110428	2/20/1996	2/18/2001	1993	0
Production	M	110428	2/20/1996	2/18/2001	1994	0
Production	M	110428	2/20/1996	2/18/2001	1995	0
Production	M	110428	2/20/1996	2/18/2001	1996	1
Production	M	110428	2/20/1996	2/18/2001	1997	1
Production	M	110428	2/20/1996	2/18/2001	1998	1
Production	M	110428	2/20/1996	2/18/2001	1999	1
Production	M	110428	2/20/1996	2/18/2001	2000	1
Production	F	110429	6/14/1995	12/27/2004	1990	0
Production	F	110429	6/14/1995	12/27/2004	1991	0
Production	F	110429	6/14/1995	12/27/2004	1992	0
Production	F	110429	6/14/1995	12/27/2004	1993	0
Production	F	110429	6/14/1995	12/27/2004	1994	0
Production	F	110429	6/14/1995	12/27/2004	1995	1
Production	F	110429	6/14/1995	12/27/2004	1996	1

Production	F	110429	6/14/1995	12/27/2004	1997	1
Production	F	110429	6/14/1995	12/27/2004	1998	1
Production	F	110429	6/14/1995	12/27/2004	1999	1
Production	F	110429	6/14/1995	12/27/2004	2000	1
Production	M	110430	5/29/1998	5/27/2000	1990	0
Production	M	110430	5/29/1998	5/27/2000	1991	0
Production	M	110430	5/29/1998	5/27/2000	1992	0
Production	M	110430	5/29/1998	5/27/2000	1993	0
Production	M	110430	5/29/1998	5/27/2000	1994	0
Production	M	110430	5/29/1998	5/27/2000	1995	0
Production	M	110430	5/29/1998	5/27/2000	1996	0
Production	M	110430	5/29/1998	5/27/2000	1997	0
Production	M	110430	5/29/1998	5/27/2000	1998	1
Production	M	110430	5/29/1998	5/27/2000	1999	1
Production	M	110430	5/29/1998	5/27/2000	2000	1
Development	M	110511	12/31/1991	12/28/2000	1990	0
Development	M	110511	12/31/1991	12/28/2000	1991	1
Development	M	110511	12/31/1991	12/28/2000	1992	1
Development	M	110511	12/31/1991	12/28/2000	1993	1
Development	M	110511	12/31/1991	12/28/2000	1994	1
Development	M	110511	12/31/1991	12/28/2000	1995	1
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Development	M	110511	12/31/1991	12/28/2000	1997	1
Development	M	110511	12/31/1991	12/28/2000	1998	1
Development	M	110511	12/31/1991	12/28/2000	1999	1
Development	M	110511	12/31/1991	12/28/2000	2000	1
Development	F	110567	4/25/1992	10/18/1997	1990	0
Development	F	110567	4/25/1992	10/18/1997	1991	0
Development	F	110567	4/25/1992	10/18/1997	1992	1
Development	F	110567	4/25/1992	10/18/1997	1993	1
Development	F	110567	4/25/1992	10/18/1997	1994	1
Development	F	110567	4/25/1992	10/18/1997	1995	1
Development	F	110567	4/25/1992	10/18/1997	1996	1
Development	F	110567	4/25/1992	10/18/1997	1997	1
Development	F	110567	4/25/1992	10/18/1997	1998	0
Development	F	110567	4/25/1992	10/18/1997	1999	0
Development	F	110567	4/25/1992	10/18/1997	2000	0
Development	M	110568	1/5/1990	8/20/2003	1990	1
Development	M	110568	1/5/1990	8/20/2003	1991	1
Development	M	110568	1/5/1990	8/20/2003	1992	1
Development	M	110568	1/5/1990	8/20/2003	1993	1

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Development	M	110568	1/5/1990	8/20/2003	1997	1
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Development	M	110568	1/5/1990	8/20/2003	1999	1
Development	M	110568	1/5/1990	8/20/2003	2000	1
Development	M	110569	10/3/1994	10/2/1998	1990	0
Development	M	110569	10/3/1994	10/2/1998	1991	0
Development	M	110569	10/3/1994	10/2/1998	1992	0
Development	M	110569	10/3/1994	10/2/1998	1993	0
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Development	M	110569	10/3/1994	10/2/1998	1995	1
Development	M	110569	10/3/1994	10/2/1998	1996	1
Development	M	110569	10/3/1994	10/2/1998	1997	1
Development	M	110569	10/3/1994	10/2/1998	1998	1
Development	M	110569	10/3/1994	10/2/1998	1999	0
Development	M	110569	10/3/1994	10/2/1998	2000	0
Development	F	110570	4/7/1997	4/6/2001	1990	0
Development	F	110570	4/7/1997	4/6/2001	1991	0
Development	F	110570	4/7/1997	4/6/2001	1992	0
Development	F	110570	4/7/1997	4/6/2001	1993	0
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Development	F	110570	4/7/1997	4/6/2001	1995	0
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Development	F	110570	4/7/1997	4/6/2001	2000	1
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Development	M	110572	2/20/1993	2/19/1998	1991	0
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Development	F	110575	3/26/1995	9/17/2000	1991	0
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Development	F	110575	3/26/1995	9/17/2000	1997	1
Development	F	110575	3/26/1995	9/17/2000	1998	1

Development	F	110575	3/26/1995	9/17/2000	1999	1
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Development	F	110577	1/29/1992	9/27/1996	1991	0
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Development	F	110577	1/29/1992	9/27/1996	1999	0
Development	F	110577	1/29/1992	9/27/1996	2000	0
Development	F	110578	3/12/1999	1/21/2000	1990	0
Development	F	110578	3/12/1999	1/21/2000	1991	0
Development	F	110578	3/12/1999	1/21/2000	1992	0
Development	F	110578	3/12/1999	1/21/2000	1993	0
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Development	F	110578	3/12/1999	1/21/2000	1997	0
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Development	F	110578	3/12/1999	1/21/2000	2000	1
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Development	F	110579	5/29/1998	1/1/9999	1991	0
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Quality Management	F	110725	12/30/1995	12/28/2001	1991	0
Quality Management	F	110725	12/30/1995	12/28/2001	1992	0
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Quality Management	F	110725	12/30/1995	12/28/2001	1994	0
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Quality Management	F	110725	12/30/1995	12/28/2001	1997	1
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Quality Management	F	110725	12/30/1995	12/28/2001	1999	1
Quality Management	F	110725	12/30/1995	12/28/2001	2000	1
Quality Management	F	110765	1/7/1992	1/5/1998	1990	0
Quality Management	F	110765	1/7/1992	1/5/1998	1991	0
Quality Management	F	110765	1/7/1992	1/5/1998	1992	1
Quality Management	F	110765	1/7/1992	1/5/1998	1993	1
Quality Management	F	110765	1/7/1992	1/5/1998	1994	1
Quality Management	F	110765	1/7/1992	1/5/1998	1995	1
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Quality Management	F	110800	8/10/1993	8/9/1998	1991	0
Quality Management	F	110800	8/10/1993	8/9/1998	1992	0
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Quality Management	F	110800	8/10/1993	8/9/1998	1995	1
Quality Management	F	110800	8/10/1993	8/9/1998	1996	1
Quality Management	F	110800	8/10/1993	8/9/1998	1997	1
Quality Management	F	110800	8/10/1993	8/9/1998	1998	1
Quality Management	F	110800	8/10/1993	8/9/1998	1999	0
Quality Management	F	110800	8/10/1993	8/9/1998	2000	0
Quality Management	M	110854	6/9/1990	6/7/1998	1990	1
Quality Management	M	110854	6/9/1990	6/7/1998	1991	1
Quality Management	M	110854	6/9/1990	6/7/1998	1992	1
Quality Management	M	110854	6/9/1990	6/7/1998	1993	1
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Quality Management	M	110854	6/9/1990	6/7/1998	2000	0
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Quality Management	M	110855	5/14/1994	5/12/2000	1991	0
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Quality Management	F	110856	5/12/1993	5/11/1998	1992	0
Quality Management	F	110856	5/12/1993	5/11/1998	1993	1
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Quality Management	M	110857	3/4/1991	3/2/1996	2000	0
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Quality Management	M	110858	6/27/1990	6/26/1995	1991	1
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Quality Management	F	110859	12/29/1996	12/28/2002	1995	0
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Quality Management	F	110859	12/29/1996	12/28/2002	1997	1
Quality Management	F	110859	12/29/1996	12/28/2002	1998	1
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Quality Management	F	110860	1/6/1993	1/5/1999	1994	1
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Quality Management	F	110861	8/10/1994	8/9/1999	1992	0
Quality Management	F	110861	8/10/1994	8/9/1999	1993	0
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Quality Management	M	110863	5/14/1995	5/12/2001	1992	0

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Quality Management	M	110863	5/14/1995	5/12/2001	1996	1
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Quality Management	M	110864	5/12/1994	5/11/1999	1999	1
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Quality Management	F	110865	3/3/1992	3/2/1997	1991	0
Quality Management	F	110865	3/3/1992	3/2/1997	1992	1
Quality Management	F	110865	3/3/1992	3/2/1997	1993	1

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Quality Management	F	110865	3/3/1992	3/2/1997	1995	1
Quality Management	F	110865	3/3/1992	3/2/1997	1996	1
Quality Management	F	110865	3/3/1992	3/2/1997	1997	1
Quality Management	F	110865	3/3/1992	3/2/1997	1998	0
Quality Management	F	110865	3/3/1992	3/2/1997	1999	0
Quality Management	F	110865	3/3/1992	3/2/1997	2000	0
Quality Management	M	110866	6/18/1990	12/23/1994	1990	1
Quality Management	M	110866	6/18/1990	12/23/1994	1991	1
Quality Management	M	110866	6/18/1990	12/23/1994	1992	1
Quality Management	M	110866	6/18/1990	12/23/1994	1993	1
Quality Management	M	110866	6/18/1990	12/23/1994	1994	1
Quality Management	M	110866	6/18/1990	12/23/1994	1995	0
Quality Management	M	110866	6/18/1990	12/23/1994	1996	0
Quality Management	M	110866	6/18/1990	12/23/1994	1997	0
Quality Management	M	110866	6/18/1990	12/23/1994	1998	0
Quality Management	M	110866	6/18/1990	12/23/1994	1999	0
Quality Management	M	110866	6/18/1990	12/23/1994	2000	0
Quality Management	M	110867	5/17/1993	5/16/1998	1990	0
Quality Management	M	110867	5/17/1993	5/16/1998	1991	0
Quality Management	M	110867	5/17/1993	5/16/1998	1992	0
Quality Management	M	110867	5/17/1993	5/16/1998	1993	1
Quality Management	M	110867	5/17/1993	5/16/1998	1994	1

Quality Management	M	110867	5/17/1993	5/16/1998	1995	1
Quality Management	M	110867	5/17/1993	5/16/1998	1996	1
Quality Management	M	110867	5/17/1993	5/16/1998	1997	1
Quality Management	M	110867	5/17/1993	5/16/1998	1998	1
Quality Management	M	110867	5/17/1993	5/16/1998	1999	0
Quality Management	M	110867	5/17/1993	5/16/1998	2000	0
Quality Management	M	110868	12/30/1994	12/28/2000	1990	0
Quality Management	M	110868	12/30/1994	12/28/2000	1991	0
Quality Management	M	110868	12/30/1994	12/28/2000	1992	0
Quality Management	M	110868	12/30/1994	12/28/2000	1993	0
Quality Management	M	110868	12/30/1994	12/28/2000	1994	1
Quality Management	M	110868	12/30/1994	12/28/2000	1995	1
Quality Management	M	110868	12/30/1994	12/28/2000	1996	1
Quality Management	M	110868	12/30/1994	12/28/2000	1997	1
Quality Management	M	110868	12/30/1994	12/28/2000	1998	1
Quality Management	M	110868	12/30/1994	12/28/2000	1999	1
Quality Management	M	110868	12/30/1994	12/28/2000	2000	1
Quality Management	M	110869	5/29/1998	11/27/2000	1990	0
Quality Management	M	110869	5/29/1998	11/27/2000	1991	0
Quality Management	M	110869	5/29/1998	11/27/2000	1992	0
Quality Management	M	110869	5/29/1998	11/27/2000	1993	0
Quality Management	M	110869	5/29/1998	11/27/2000	1994	0
Quality Management	M	110869	5/29/1998	11/27/2000	1995	0

Quality Management	M	110869	5/29/1998	11/27/2000	1996	0
Quality Management	M	110869	5/29/1998	11/27/2000	1997	0
Quality Management	M	110869	5/29/1998	11/27/2000	1998	1
Quality Management	M	110869	5/29/1998	11/27/2000	1999	1
Quality Management	M	110869	5/29/1998	11/27/2000	2000	1
Sales	M	111035	12/30/1992	12/29/1998	1990	0
Sales	M	111035	12/30/1992	12/29/1998	1991	0
Sales	M	111035	12/30/1992	12/29/1998	1992	1
Sales	M	111035	12/30/1992	12/29/1998	1993	1
Sales	M	111035	12/30/1992	12/29/1998	1994	1
Sales	M	111035	12/30/1992	12/29/1998	1995	1
Sales	M	111035	12/30/1992	12/29/1998	1996	1
Sales	M	111035	12/30/1992	12/29/1998	1997	1
Sales	M	111035	12/30/1992	12/29/1998	1998	1
Sales	M	111035	12/30/1992	12/29/1998	1999	0

Task 3

Compare the average salary of female versus male employees in the entire company until year 2002, and add a filter allowing you to see that per each department.

SELECT

e.gender,

ROUND(AVG(s.salary), 2) AS salary,

YEAR(s.from_date) AS calendar_year

FROM

t_salaries s

JOIN

t_employees e ON s.emp_no = e.emp_no

JOIN

t_dept_emp de ON de.emp_no = e.emp_no

GROUP BY e.gender , calendar_year

HAVING calendar_year <= 2002

ORDER BY calendar_year;

Output

gender	salary	calendar_year
F	49,949.01	1990
M	50,138.40	1990
F	50,841.76	1991
M	50,988.17	1991
F	51,816.30	1992
M	51,936.94	1992
F	52,983.56	1993
M	52,903.32	1993
F	53,956.07	1994
M	56,866.26	1994
F	54,818.67	1995
M	57,824.96	1995
F	55,754.63	1996
M	58,785.89	1996
M	59,694.07	1997
F	56,676.48	1997
M	58,837.11	1998
F	57,715.70	1998
M	60,186.26	1999
F	58,712.87	1999
M	65,786.84	2000
F	60,668.91	2000
M	67,888.95	2001
F	62,775.78	2001
M	70,083.97	2002
F	64,799.73	2002

Task 4

No. of employees in each department.

SELECT

 COUNT(e.emp_no) AS emp_no,

 d.dept_no

 # e.gender

FROM

 t_employees e

JOIN

 t_dept_emp d ON d.emp_no = e.emp_no

GROUP BY d.dept_no

ORDER BY d.dept_no;

Output

emp_no	dept_no
9,187	Marketing
7,781	Finance
8,086	HR
33,080	Production
38,714	Development
9,079	Quality Management
23,591	Sales
9,537	Research
10,622	Customer Service

emp_no	dept_no
9,187	Marketing
7,781	Finance
8,086	HR
33,080	Production
38,714	Development
9,079	Quality Management
23,591	Sales
9,537	Research
10,622	Customer Service