Anang Fachreza
2018150001
Teknik Informatika/Semester 3
Basis data kelas 1
Kode soal A

1. select gender, count(gender) as jumlah from employees group by gender;

2. select employees.first_name, employees.last_name, sum(salaries.salary) as totalSalary from employees left join salaries on employees.emp_no=salaries.emp_no group by employes.emp_no;

+	+	++
first_name	last_name	totalSalary
Georgi	Facello	1281612
Bezalel	Simmel	413127
Parto	Bamford	301212
Chirstian	Koblick	904196
Kyoichi	Maliniak	1134585
Anneke	Preusig	606179
Tzvetan	Zielinski	991574
Saniya	Kalloufi	147923
Sumant	Peac	1409122
Duangkaew	Piveteau	460338
Mary	Sluis	348474
Patricio	Bridgland	469028
Eberhardt	Terkki	891337
Berni	Genin	476913
Guoxiang	Nooteboom	40000
Kazuhito	Cappelletti	374977
Cristinel	Bouloucos	870647
Kazuhide	Peha	1098241
Lillian	Haddadi	188029
Mayuko	Warwick	216391
Ramzi	Erde	1029743
Shahaf	Famili	121283
Bojan	Montemayor	148315
Suzette	Pettey	452862
Prasadram	Heyers	571545
Yongqiao	Berztiss	466023
Divier	Reistad	346554
Domenick	Tempesti	378991
Otmar	Herbst	790575
Elvis	Demeyer	709681
I Vacator	1 700140	[[20062]

3. select employees.*, dept emp.dept no, departments.dept name from employees left join dept emp on employees.emp no=dept emp.emp no left join departments on dept emp.dept no=departments.dept no;

mysql> select employees.*, dept_emp.dept_no, departments.dept_name from employees
-> left join dept_emp on employees.emp_no=dept_emp.emp_no
-> left join departments on dept_emp.dept_no=departments.dept_no;

+			+	+	+	+	+	++
1	emp_no	birth_date	first_name	last_name	gender	hire_date	dept_no	dept_name
i	10001	1953-09-02	Georgi	Facello	I M	1986-06-26	d005	Development
i	10002	1964-06-02	Bezalel	Simmel	F	1985-11-21	d007	Sales
i	10003	1959-12-03	Parto	Bamford	M	1986-08-28	d004	Production
i	10004	1954-05-01	Chirstian	Koblick	M	1986-12-01	d004	Production
i	10005	1955-01-21	Kyoichi	Maliniak	M	1989-09-12	d003	Human Resources
i	10006	1953-04-20	Anneke	Preusig	F	1989-06-02	d005	Development
i	10007	1957-05-23	Tzvetan	Zielinski	F	1989-02-10	d008	Research
Ì	10008	1958-02-19	Saniya	Kalloufi	M	1994-09-15	d005	Development
Ì	10009	1952-04-19	Sumant	Peac	F	1985-02-18	d006	Quality Management
İ	10010	1963-06-01	Duangkaew	Piveteau	F	1989-08-24	d004	Production
Ì	10010	1963-06-01	Duangkaew	Piveteau	F	1989-08-24	d006	Quality Management
	10011	1953-11-07	Mary	Sluis	F	1990-01-22	d009	Customer Service
İ	10012	1960-10-04	Patricio	Bridgland	M	1992-12-18	d005	Development
	10013	1963-06-07	Eberhardt	Terkki	M	1985-10-20	d003	Human Resources
	10014	1956-02-12	Berni	Genin	M	1987-03-11	d005	Development
	10015	1959-08-19	Guoxiang	Nooteboom	M	1987-07-02	d008	Research
	10016	1961-05-02	Kazuhito	Cappelletti	M	1995-01-27	d007	Sales
	10017	1958-07-06	Cristinel	Bouloucos	F	1993-08-03	d001	Marketing
	10018	1954-06-19	Kazuhide	Peha	F	1987-04-03	d004	Production
	10018	1954-06-19	Kazuhide	Peha	F	1987-04-03	d005	Development
	10019	1953-01-23	Lillian	Haddadi	M	1999-04-30	d008	Research
	10020	1952-12-24	Mayuko	Warwick	M	1991-01-26	d004	Production
	10021	1960-02-20	Ramzi	Erde	M	1988-02-10	d005	Development
	10022	1952-07-08	Shahaf	Famili	M	1995-08-22	d005	Development
	10023	1953-09-29	Bojan	Montemayor	F	1989-12-17	d005	Development
	10024	1958-09-05	Suzette	Pettey	F	1997-05-19	d004	Production
	10025	1958-10-31	Prasadram	Heyers	M	1987-08-17	d005	Development
	10026	1953-04-03	Yongqiao	Berztiss	M	1995-03-20	d004	Production
	10027	1962-07-10	Divier	Reistad	F	1989-07-07	d005	Development
Ţ	10028	1963-11-26	Domenick	Tempesti	M	1991-10-22	d005	Development
						44 46		

4. select concat(employees.first_name, '', employees.last_name) as fullName, dept_manager.from_date, dept_manager.to_date from employees left join dept_manager on employees.emp_no=dept_manager.emp_no where dept_manager.from_date < '1995-01-01' and dept_manager.to_date > '1995-01-01';

fullName	from_date	to_date
Alejandro Brender Munir Demeyer Giri Isaak Karoline Cesareni Eishiro Miyakawa Dinah Bahl Dietrich Journel Jagoda Nannarelli Subir Biron	1991-10-01 1989-12-17 1991-03-07 1992-03-21 1992-08-02 1991-04-08 1992-04-25 1994-06-28 1992-09-08	9999-01-01 9999-01-01 9999-01-01 9999-01-01 1996-08-30 9999-01-01 9999-01-01 9999-01-01

9 rows in set (0.01 sec)

mysql>

5. select employees.first_name, titles.title, (year(titles.to_date)-year(titles.from_date)) as jumlah from employees left join titles on employees.emp_no=titles.emp_no where titles.title='Engineer' order by (year(titles.to_date)-year(titles.from_date)) desc limit 1;