**Exercise on subqueries (use hr database).**

**--**

**-- Database: `hr`**

**--**

**create database hr;**

**use hr;**

**-- --------------------------------------------------------**

**--**

**-- Table structure for table `countries`**

**--**

**CREATE TABLE IF NOT EXISTS `countries` (**

**`COUNTRY\_ID` varchar(2) NOT NULL,**

**`COUNTRY\_NAME` varchar(40) DEFAULT NULL,**

**`REGION\_ID` decimal(10,0) DEFAULT NULL,**

**PRIMARY KEY (`COUNTRY\_ID`),**

**KEY `COUNTR\_REG\_FK` (`REGION\_ID`)**

**) ENGINE=MyISAM DEFAULT CHARSET=latin1;**

**--**

**-- Dumping data for table `countries`**

**--**

**INSERT INTO `countries` (`COUNTRY\_ID`, `COUNTRY\_NAME`, `REGION\_ID`) VALUES**

**('AR', 'Argentina', '2'),**

**('AU', 'Australia', '3'),**

**('BE', 'Belgium', '1'),**

**('BR', 'Brazil', '2'),**

**('CA', 'Canada', '2'),**

**('CH', 'Switzerland', '1'),**

**('CN', 'China', '3'),**

**('DE', 'Germany', '1'),**

**('DK', 'Denmark', '1'),**

**('EG', 'Egypt', '4'),**

**('FR', 'France', '1'),**

**('HK', 'HongKong', '3'),**

**('IL', 'Israel', '4'),**

**('IN', 'India', '3'),**

**('IT', 'Italy', '1'),**

**('JP', 'Japan', '3'),**

**('KW', 'Kuwait', '4'),**

**('MX', 'Mexico', '2'),**

**('NG', 'Nigeria', '4'),**

**('NL', 'Netherlands', '1'),**

**('SG', 'Singapore', '3'),**

**('UK', 'United Kingdom', '1'),**

**('US', 'United States of America', '2'),**

**('ZM', 'Zambia', '4'),**

**('ZW', 'Zimbabwe', '4');**

**-- --------------------------------------------------------**

**--**

**-- Table structure for table `departments`**

**--**

**CREATE TABLE IF NOT EXISTS `departments` (**

**`DEPARTMENT\_ID` decimal(4,0) NOT NULL DEFAULT '0',**

**`DEPARTMENT\_NAME` varchar(30) NOT NULL,**

**`MANAGER\_ID` decimal(6,0) DEFAULT NULL,**

**`LOCATION\_ID` decimal(4,0) DEFAULT NULL,**

**PRIMARY KEY (`DEPARTMENT\_ID`),**

**KEY `DEPT\_MGR\_FK` (`MANAGER\_ID`),**

**KEY `DEPT\_LOCATION\_IX` (`LOCATION\_ID`)**

**) ENGINE=MyISAM DEFAULT CHARSET=latin1;**

**--**

**-- Dumping data for table `departments`**

**--**

**INSERT INTO `departments` (`DEPARTMENT\_ID`, `DEPARTMENT\_NAME`, `MANAGER\_ID`, `LOCATION\_ID`) VALUES**

**('10', 'Administration', '200', '1700'),**

**('20', 'Marketing', '201', '1800'),**

**('30', 'Purchasing', '114', '1700'),**

**('40', 'Human Resources', '203', '2400'),**

**('50', 'Shipping', '121', '1500'),**

**('60', 'IT', '103', '1400'),**

**('70', 'Public Relations', '204', '2700'),**

**('80', 'Sales', '145', '2500'),**

**('90', 'Executive', '100', '1700'),**

**('100', 'Finance', '108', '1700'),**

**('110', 'Accounting', '205', '1700'),**

**('120', 'Treasury', '0', '1700'),**

**('130', 'Corporate Tax', '0', '1700'),**

**('140', 'Control And Credit', '0', '1700'),**

**('150', 'Shareholder Services', '0', '1700'),**

**('160', 'Benefits', '0', '1700'),**

**('170', 'Manufacturing', '0', '1700'),**

**('180', 'Construction', '0', '1700'),**

**('190', 'Contracting', '0', '1700'),**

**('200', 'Operations', '0', '1700'),**

**('210', 'IT Support', '0', '1700'),**

**('220', 'NOC', '0', '1700'),**

**('230', 'IT Helpdesk', '0', '1700'),**

**('240', 'Government Sales', '0', '1700'),**

**('250', 'Retail Sales', '0', '1700'),**

**('260', 'Recruiting', '0', '1700'),**

**('270', 'Payroll', '0', '1700');**

**-- --------------------------------------------------------**

**--**

**-- Table structure for table `employees`**

**--**

**CREATE TABLE IF NOT EXISTS `employees` (**

**`EMPLOYEE\_ID` decimal(6,0) NOT NULL DEFAULT '0',**

**`FIRST\_NAME` varchar(20) DEFAULT NULL,**

**`LAST\_NAME` varchar(25) NOT NULL,**

**`EMAIL` varchar(25) NOT NULL,**

**`PHONE\_NUMBER` varchar(20) DEFAULT NULL,**

**`HIRE\_DATE` date NOT NULL,**

**`JOB\_ID` varchar(10) NOT NULL,**

**`SALARY` decimal(8,2) DEFAULT NULL,**

**`COMMISSION\_PCT` decimal(2,2) DEFAULT NULL,**

**`MANAGER\_ID` decimal(6,0) DEFAULT NULL,**

**`DEPARTMENT\_ID` decimal(4,0) DEFAULT NULL,**

**PRIMARY KEY (`EMPLOYEE\_ID`),**

**UNIQUE KEY `EMP\_EMAIL\_UK` (`EMAIL`),**

**KEY `EMP\_DEPARTMENT\_IX` (`DEPARTMENT\_ID`),**

**KEY `EMP\_JOB\_IX` (`JOB\_ID`),**

**KEY `EMP\_MANAGER\_IX` (`MANAGER\_ID`),**

**KEY `EMP\_NAME\_IX` (`LAST\_NAME`,`FIRST\_NAME`)**

**) ENGINE=MyISAM DEFAULT CHARSET=latin1;**

**--**

**-- Dumping data for table `employees`**

**--**

**INSERT INTO `employees` (`EMPLOYEE\_ID`, `FIRST\_NAME`, `LAST\_NAME`, `EMAIL`, `PHONE\_NUMBER`, `HIRE\_DATE`, `JOB\_ID`, `SALARY`, `COMMISSION\_PCT`, `MANAGER\_ID`, `DEPARTMENT\_ID`) VALUES**

**('100', 'Steven', 'King', 'SKING', '515.123.4567', '1987-06-17', 'AD\_PRES', '24000.00', '0.00', '0', '90'),**

**('101', 'Neena', 'Kochhar', 'NKOCHHAR', '515.123.4568', '1987-06-18', 'AD\_VP', '17000.00', '0.00', '100', '90'),**

**('102', 'Lex', 'De Haan', 'LDEHAAN', '515.123.4569', '1987-06-19', 'AD\_VP', '17000.00', '0.00', '100', '90'),**

**('103', 'Alexander', 'Hunold', 'AHUNOLD', '590.423.4567', '1987-06-20', 'IT\_PROG', '9000.00', '0.00', '102', '60'),**

**('104', 'Bruce', 'Ernst', 'BERNST', '590.423.4568', '1987-06-21', 'IT\_PROG', '6000.00', '0.00', '103', '60'),**

**('105', 'David', 'Austin', 'DAUSTIN', '590.423.4569', '1987-06-22', 'IT\_PROG', '4800.00', '0.00', '103', '60'),**

**('106', 'Valli', 'Pataballa', 'VPATABAL', '590.423.4560', '1987-06-23', 'IT\_PROG', '4800.00', '0.00', '103', '60'),**

**('107', 'Diana', 'Lorentz', 'DLORENTZ', '590.423.5567', '1987-06-24', 'IT\_PROG', '4200.00', '0.00', '103', '60'),**

**('108', 'Nancy', 'Greenberg', 'NGREENBE', '515.124.4569', '1987-06-25', 'FI\_MGR', '12000.00', '0.00', '101', '100'),**

**('109', 'Daniel', 'Faviet', 'DFAVIET', '515.124.4169', '1987-06-26', 'FI\_ACCOUNT', '9000.00', '0.00', '108', '100'),**

**('110', 'John', 'Chen', 'JCHEN', '515.124.4269', '1987-06-27', 'FI\_ACCOUNT', '8200.00', '0.00', '108', '100'),**

**('111', 'Ismael', 'Sciarra', 'ISCIARRA', '515.124.4369', '1987-06-28', 'FI\_ACCOUNT', '7700.00', '0.00', '108', '100'),**

**('112', 'Jose Manuel', 'Urman', 'JMURMAN', '515.124.4469', '1987-06-29', 'FI\_ACCOUNT', '7800.00', '0.00', '108', '100'),**

**('113', 'Luis', 'Popp', 'LPOPP', '515.124.4567', '1987-06-30', 'FI\_ACCOUNT', '6900.00', '0.00', '108', '100'),**

**('114', 'Den', 'Raphaely', 'DRAPHEAL', '515.127.4561', '1987-07-01', 'PU\_MAN', '11000.00', '0.00', '100', '30'),**

**('115', 'Alexander', 'Khoo', 'AKHOO', '515.127.4562', '1987-07-02', 'PU\_CLERK', '3100.00', '0.00', '114', '30'),**

**('116', 'Shelli', 'Baida', 'SBAIDA', '515.127.4563', '1987-07-03', 'PU\_CLERK', '2900.00', '0.00', '114', '30'),**

**('117', 'Sigal', 'Tobias', 'STOBIAS', '515.127.4564', '1987-07-04', 'PU\_CLERK', '2800.00', '0.00', '114', '30'),**

**('118', 'Guy', 'Himuro', 'GHIMURO', '515.127.4565', '1987-07-05', 'PU\_CLERK', '2600.00', '0.00', '114', '30'),**

**('119', 'Karen', 'Colmenares', 'KCOLMENA', '515.127.4566', '1987-07-06', 'PU\_CLERK', '2500.00', '0.00', '114', '30'),**

**('120', 'Matthew', 'Weiss', 'MWEISS', '650.123.1234', '1987-07-07', 'ST\_MAN', '8000.00', '0.00', '100', '50'),**

**('121', 'Adam', 'Fripp', 'AFRIPP', '650.123.2234', '1987-07-08', 'ST\_MAN', '8200.00', '0.00', '100', '50'),**

**('122', 'Payam', 'Kaufling', 'PKAUFLIN', '650.123.3234', '1987-07-09', 'ST\_MAN', '7900.00', '0.00', '100', '50'),**

**('123', 'Shanta', 'Vollman', 'SVOLLMAN', '650.123.4234', '1987-07-10', 'ST\_MAN', '6500.00', '0.00', '100', '50'),**

**('124', 'Kevin', 'Mourgos', 'KMOURGOS', '650.123.5234', '1987-07-11', 'ST\_MAN', '5800.00', '0.00', '100', '50'),**

**('125', 'Julia', 'Nayer', 'JNAYER', '650.124.1214', '1987-07-12', 'ST\_CLERK', '3200.00', '0.00', '120', '50'),**

**('126', 'Irene', 'Mikkilineni', 'IMIKKILI', '650.124.1224', '1987-07-13', 'ST\_CLERK', '2700.00', '0.00', '120', '50'),**

**('127', 'James', 'Landry', 'JLANDRY', '650.124.1334', '1987-07-14', 'ST\_CLERK', '2400.00', '0.00', '120', '50'),**

**('128', 'Steven', 'Markle', 'SMARKLE', '650.124.1434', '1987-07-15', 'ST\_CLERK', '2200.00', '0.00', '120', '50'),**

**('129', 'Laura', 'Bissot', 'LBISSOT', '650.124.5234', '1987-07-16', 'ST\_CLERK', '3300.00', '0.00', '121', '50'),**

**('130', 'Mozhe', 'Atkinson', 'MATKINSO', '650.124.6234', '1987-07-17', 'ST\_CLERK', '2800.00', '0.00', '121', '50'),**

**('131', 'James', 'Marlow', 'JAMRLOW', '650.124.7234', '1987-07-18', 'ST\_CLERK', '2500.00', '0.00', '121', '50'),**

**('132', 'TJ', 'Olson', 'TJOLSON', '650.124.8234', '1987-07-19', 'ST\_CLERK', '2100.00', '0.00', '121', '50'),**

**('133', 'Jason', 'Mallin', 'JMALLIN', '650.127.1934', '1987-07-20', 'ST\_CLERK', '3300.00', '0.00', '122', '50'),**

**('134', 'Michael', 'Rogers', 'MROGERS', '650.127.1834', '1987-07-21', 'ST\_CLERK', '2900.00', '0.00', '122', '50'),**

**('135', 'Ki', 'Gee', 'KGEE', '650.127.1734', '1987-07-22', 'ST\_CLERK', '2400.00', '0.00', '122', '50'),**

**('136', 'Hazel', 'Philtanker', 'HPHILTAN', '650.127.1634', '1987-07-23', 'ST\_CLERK', '2200.00', '0.00', '122', '50'),**

**('137', 'Renske', 'Ladwig', 'RLADWIG', '650.121.1234', '1987-07-24', 'ST\_CLERK', '3600.00', '0.00', '123', '50'),**

**('138', 'Stephen', 'Stiles', 'SSTILES', '650.121.2034', '1987-07-25', 'ST\_CLERK', '3200.00', '0.00', '123', '50'),**

**('139', 'John', 'Seo', 'JSEO', '650.121.2019', '1987-07-26', 'ST\_CLERK', '2700.00', '0.00', '123', '50'),**

**('140', 'Joshua', 'Patel', 'JPATEL', '650.121.1834', '1987-07-27', 'ST\_CLERK', '2500.00', '0.00', '123', '50'),**

**('141', 'Trenna', 'Rajs', 'TRAJS', '650.121.8009', '1987-07-28', 'ST\_CLERK', '3500.00', '0.00', '124', '50'),**

**('142', 'Curtis', 'Davies', 'CDAVIES', '650.121.2994', '1987-07-29', 'ST\_CLERK', '3100.00', '0.00', '124', '50'),**

**('143', 'Randall', 'Matos', 'RMATOS', '650.121.2874', '1987-07-30', 'ST\_CLERK', '2600.00', '0.00', '124', '50'),**

**('144', 'Peter', 'Vargas', 'PVARGAS', '650.121.2004', '1987-07-31', 'ST\_CLERK', '2500.00', '0.00', '124', '50'),**

**('145', 'John', 'Russell', 'JRUSSEL', '011.44.1344.429268', '1987-08-01', 'SA\_MAN', '14000.00', '0.40', '100', '80'),**

**('146', 'Karen', 'Partners', 'KPARTNER', '011.44.1344.467268', '1987-08-02', 'SA\_MAN', '13500.00', '0.30', '100', '80'),**

**('147', 'Alberto', 'Errazuriz', 'AERRAZUR', '011.44.1344.429278', '1987-08-03', 'SA\_MAN', '12000.00', '0.30', '100', '80'),**

**('148', 'Gerald', 'Cambrault', 'GCAMBRAU', '011.44.1344.619268', '1987-08-04', 'SA\_MAN', '11000.00', '0.30', '100', '80'),**

**('149', 'Eleni', 'Zlotkey', 'EZLOTKEY', '011.44.1344.429018', '1987-08-05', 'SA\_MAN', '10500.00', '0.20', '100', '80'),**

**('150', 'Peter', 'Tucker', 'PTUCKER', '011.44.1344.129268', '1987-08-06', 'SA\_REP', '10000.00', '0.30', '145', '80'),**

**('151', 'David', 'Bernstein', 'DBERNSTE', '011.44.1344.345268', '1987-08-07', 'SA\_REP', '9500.00', '0.25', '145', '80'),**

**('152', 'Peter', 'Hall', 'PHALL', '011.44.1344.478968', '1987-08-08', 'SA\_REP', '9000.00', '0.25', '145', '80'),**

**('153', 'Christopher', 'Olsen', 'COLSEN', '011.44.1344.498718', '1987-08-09', 'SA\_REP', '8000.00', '0.20', '145', '80'),**

**('154', 'Nanette', 'Cambrault', 'NCAMBRAU', '011.44.1344.987668', '1987-08-10', 'SA\_REP', '7500.00', '0.20', '145', '80'),**

**('155', 'Oliver', 'Tuvault', 'OTUVAULT', '011.44.1344.486508', '1987-08-11', 'SA\_REP', '7000.00', '0.15', '145', '80'),**

**('156', 'Janette', 'King', 'JKING', '011.44.1345.429268', '1987-08-12', 'SA\_REP', '10000.00', '0.35', '146', '80'),**

**('157', 'Patrick', 'Sully', 'PSULLY', '011.44.1345.929268', '1987-08-13', 'SA\_REP', '9500.00', '0.35', '146', '80'),**

**('158', 'Allan', 'McEwen', 'AMCEWEN', '011.44.1345.829268', '1987-08-14', 'SA\_REP', '9000.00', '0.35', '146', '80'),**

**('159', 'Lindsey', 'Smith', 'LSMITH', '011.44.1345.729268', '1987-08-15', 'SA\_REP', '8000.00', '0.30', '146', '80'),**

**('160', 'Louise', 'Doran', 'LDORAN', '011.44.1345.629268', '1987-08-16', 'SA\_REP', '7500.00', '0.30', '146', '80'),**

**('161', 'Sarath', 'Sewall', 'SSEWALL', '011.44.1345.529268', '1987-08-17', 'SA\_REP', '7000.00', '0.25', '146', '80'),**

**('162', 'Clara', 'Vishney', 'CVISHNEY', '011.44.1346.129268', '1987-08-18', 'SA\_REP', '10500.00', '0.25', '147', '80'),**

**('163', 'Danielle', 'Greene', 'DGREENE', '011.44.1346.229268', '1987-08-19', 'SA\_REP', '9500.00', '0.15', '147', '80'),**

**('164', 'Mattea', 'Marvins', 'MMARVINS', '011.44.1346.329268', '1987-08-20', 'SA\_REP', '7200.00', '0.10', '147', '80'),**

**('165', 'David', 'Lee', 'DLEE', '011.44.1346.529268', '1987-08-21', 'SA\_REP', '6800.00', '0.10', '147', '80'),**

**('166', 'Sundar', 'Ande', 'SANDE', '011.44.1346.629268', '1987-08-22', 'SA\_REP', '6400.00', '0.10', '147', '80'),**

**('167', 'Amit', 'Banda', 'ABANDA', '011.44.1346.729268', '1987-08-23', 'SA\_REP', '6200.00', '0.10', '147', '80'),**

**('168', 'Lisa', 'Ozer', 'LOZER', '011.44.1343.929268', '1987-08-24', 'SA\_REP', '11500.00', '0.25', '148', '80'),**

**('169', 'Harrison', 'Bloom', 'HBLOOM', '011.44.1343.829268', '1987-08-25', 'SA\_REP', '10000.00', '0.20', '148', '80'),**

**('170', 'Tayler', 'Fox', 'TFOX', '011.44.1343.729268', '1987-08-26', 'SA\_REP', '9600.00', '0.20', '148', '80'),**

**('171', 'William', 'Smith', 'WSMITH', '011.44.1343.629268', '1987-08-27', 'SA\_REP', '7400.00', '0.15', '148', '80'),**

**('172', 'Elizabeth', 'Bates', 'EBATES', '011.44.1343.529268', '1987-08-28', 'SA\_REP', '7300.00', '0.15', '148', '80'),**

**('173', 'Sundita', 'Kumar', 'SKUMAR', '011.44.1343.329268', '1987-08-29', 'SA\_REP', '6100.00', '0.10', '148', '80'),**

**('174', 'Ellen', 'Abel', 'EABEL', '011.44.1644.429267', '1987-08-30', 'SA\_REP', '11000.00', '0.30', '149', '80'),**

**('175', 'Alyssa', 'Hutton', 'AHUTTON', '011.44.1644.429266', '1987-08-31', 'SA\_REP', '8800.00', '0.25', '149', '80'),**

**('176', 'Jonathon', 'Taylor', 'JTAYLOR', '011.44.1644.429265', '1987-09-01', 'SA\_REP', '8600.00', '0.20', '149', '80'),**

**('177', 'Jack', 'Livingston', 'JLIVINGS', '011.44.1644.429264', '1987-09-02', 'SA\_REP', '8400.00', '0.20', '149', '80'),**

**('178', 'Kimberely', 'Grant', 'KGRANT', '011.44.1644.429263', '1987-09-03', 'SA\_REP', '7000.00', '0.15', '149', '0'),**

**('179', 'Charles', 'Johnson', 'CJOHNSON', '011.44.1644.429262', '1987-09-04', 'SA\_REP', '6200.00', '0.10', '149', '80'),**

**('180', 'Winston', 'Taylor', 'WTAYLOR', '650.507.9876', '1987-09-05', 'SH\_CLERK', '3200.00', '0.00', '120', '50'),**

**('181', 'Jean', 'Fleaur', 'JFLEAUR', '650.507.9877', '1987-09-06', 'SH\_CLERK', '3100.00', '0.00', '120', '50'),**

**('182', 'Martha', 'Sullivan', 'MSULLIVA', '650.507.9878', '1987-09-07', 'SH\_CLERK', '2500.00', '0.00', '120', '50'),**

**('183', 'Girard', 'Geoni', 'GGEONI', '650.507.9879', '1987-09-08', 'SH\_CLERK', '2800.00', '0.00', '120', '50'),**

**('184', 'Nandita', 'Sarchand', 'NSARCHAN', '650.509.1876', '1987-09-09', 'SH\_CLERK', '4200.00', '0.00', '121', '50'),**

**('185', 'Alexis', 'Bull', 'ABULL', '650.509.2876', '1987-09-10', 'SH\_CLERK', '4100.00', '0.00', '121', '50'),**

**('186', 'Julia', 'Dellinger', 'JDELLING', '650.509.3876', '1987-09-11', 'SH\_CLERK', '3400.00', '0.00', '121', '50'),**

**('187', 'Anthony', 'Cabrio', 'ACABRIO', '650.509.4876', '1987-09-12', 'SH\_CLERK', '3000.00', '0.00', '121', '50'),**

**('188', 'Kelly', 'Chung', 'KCHUNG', '650.505.1876', '1987-09-13', 'SH\_CLERK', '3800.00', '0.00', '122', '50'),**

**('189', 'Jennifer', 'Dilly', 'JDILLY', '650.505.2876', '1987-09-14', 'SH\_CLERK', '3600.00', '0.00', '122', '50'),**

**('190', 'Timothy', 'Gates', 'TGATES', '650.505.3876', '1987-09-15', 'SH\_CLERK', '2900.00', '0.00', '122', '50'),**

**('191', 'Randall', 'Perkins', 'RPERKINS', '650.505.4876', '1987-09-16', 'SH\_CLERK', '2500.00', '0.00', '122', '50'),**

**('192', 'Sarah', 'Bell', 'SBELL', '650.501.1876', '1987-09-17', 'SH\_CLERK', '4000.00', '0.00', '123', '50'),**

**('193', 'Britney', 'Everett', 'BEVERETT', '650.501.2876', '1987-09-18', 'SH\_CLERK', '3900.00', '0.00', '123', '50'),**

**('194', 'Samuel', 'McCain', 'SMCCAIN', '650.501.3876', '1987-09-19', 'SH\_CLERK', '3200.00', '0.00', '123', '50'),**

**('195', 'Vance', 'Jones', 'VJONES', '650.501.4876', '1987-09-20', 'SH\_CLERK', '2800.00', '0.00', '123', '50'),**

**('196', 'Alana', 'Walsh', 'AWALSH', '650.507.9811', '1987-09-21', 'SH\_CLERK', '3100.00', '0.00', '124', '50'),**

**('197', 'Kevin', 'Feeney', 'KFEENEY', '650.507.9822', '1987-09-22', 'SH\_CLERK', '3000.00', '0.00', '124', '50'),**

**('198', 'Donald', 'OConnell', 'DOCONNEL', '650.507.9833', '1987-09-23', 'SH\_CLERK', '2600.00', '0.00', '124', '50'),**

**('199', 'Douglas', 'Grant', 'DGRANT', '650.507.9844', '1987-09-24', 'SH\_CLERK', '2600.00', '0.00', '124', '50'),**

**('200', 'Jennifer', 'Whalen', 'JWHALEN', '515.123.4444', '1987-09-25', 'AD\_ASST', '4400.00', '0.00', '101', '10'),**

**('201', 'Michael', 'Hartstein', 'MHARTSTE', '515.123.5555', '1987-09-26', 'MK\_MAN', '13000.00', '0.00', '100', '20'),**

**('202', 'Pat', 'Fay', 'PFAY', '603.123.6666', '1987-09-27', 'MK\_REP', '6000.00', '0.00', '201', '20'),**

**('203', 'Susan', 'Mavris', 'SMAVRIS', '515.123.7777', '1987-09-28', 'HR\_REP', '6500.00', '0.00', '101', '40'),**

**('204', 'Hermann', 'Baer', 'HBAER', '515.123.8888', '1987-09-29', 'PR\_REP', '10000.00', '0.00', '101', '70'),**

**('205', 'Shelley', 'Higgins', 'SHIGGINS', '515.123.8080', '1987-09-30', 'AC\_MGR', '12000.00', '0.00', '101', '110'),**

**('206', 'William', 'Gietz', 'WGIETZ', '515.123.8181', '1987-10-01', 'AC\_ACCOUNT', '8300.00', '0.00', '205', '110');**

**-- --------------------------------------------------------**

**--**

**-- Table structure for table `job\_history`**

**--**

**CREATE TABLE IF NOT EXISTS `job\_history` (**

**`EMPLOYEE\_ID` decimal(6,0) NOT NULL,**

**`START\_DATE` date NOT NULL,**

**`END\_DATE` date NOT NULL,**

**`JOB\_ID` varchar(10) NOT NULL,**

**`DEPARTMENT\_ID` decimal(4,0) DEFAULT NULL,**

**PRIMARY KEY (`EMPLOYEE\_ID`,`START\_DATE`),**

**KEY `JHIST\_DEPARTMENT\_IX` (`DEPARTMENT\_ID`),**

**KEY `JHIST\_EMPLOYEE\_IX` (`EMPLOYEE\_ID`),**

**KEY `JHIST\_JOB\_IX` (`JOB\_ID`)**

**) ENGINE=MyISAM DEFAULT CHARSET=latin1;**

**--**

**-- Dumping data for table `job\_history`**

**--**

**INSERT INTO `job\_history` (`EMPLOYEE\_ID`, `START\_DATE`, `END\_DATE`, `JOB\_ID`, `DEPARTMENT\_ID`) VALUES**

**('102', '1993-01-13', '1998-07-24', 'IT\_PROG', '60'),**

**('101', '1989-09-21', '1993-10-27', 'AC\_ACCOUNT', '110'),**

**('101', '1993-10-28', '1997-03-15', 'AC\_MGR', '110'),**

**('201', '1996-02-17', '1999-12-19', 'MK\_REP', '20'),**

**('114', '1998-03-24', '1999-12-31', 'ST\_CLERK', '50'),**

**('122', '1999-01-01', '1999-12-31', 'ST\_CLERK', '50'),**

**('200', '1987-09-17', '1993-06-17', 'AD\_ASST', '90'),**

**('176', '1998-03-24', '1998-12-31', 'SA\_REP', '80'),**

**('176', '1999-01-01', '1999-12-31', 'SA\_MAN', '80'),**

**('200', '1994-07-01', '1998-12-31', 'AC\_ACCOUNT', '90'),**

**('0', '0000-00-00', '0000-00-00', '', '0');**

**-- --------------------------------------------------------**

**--**

**-- Table structure for table `jobs`**

**--**

**CREATE TABLE IF NOT EXISTS `jobs` (**

**`JOB\_ID` varchar(10) NOT NULL DEFAULT '',**

**`JOB\_TITLE` varchar(35) NOT NULL,**

**`MIN\_SALARY` decimal(6,0) DEFAULT NULL,**

**`MAX\_SALARY` decimal(6,0) DEFAULT NULL,**

**PRIMARY KEY (`JOB\_ID`)**

**) ENGINE=MyISAM DEFAULT CHARSET=latin1;**

**--**

**-- Dumping data for table `jobs`**

**--**

**INSERT INTO `jobs` (`JOB\_ID`, `JOB\_TITLE`, `MIN\_SALARY`, `MAX\_SALARY`) VALUES**

**('AD\_PRES', 'President', '20000', '40000'),**

**('AD\_VP', 'Administration Vice President', '15000', '30000'),**

**('AD\_ASST', 'Administration Assistant', '3000', '6000'),**

**('FI\_MGR', 'Finance Manager', '8200', '16000'),**

**('FI\_ACCOUNT', 'Accountant', '4200', '9000'),**

**('AC\_MGR', 'Accounting Manager', '8200', '16000'),**

**('AC\_ACCOUNT', 'Public Accountant', '4200', '9000'),**

**('SA\_MAN', 'Sales Manager', '10000', '20000'),**

**('SA\_REP', 'Sales Representative', '6000', '12000'),**

**('PU\_MAN', 'Purchasing Manager', '8000', '15000'),**

**('PU\_CLERK', 'Purchasing Clerk', '2500', '5500'),**

**('ST\_MAN', 'Stock Manager', '5500', '8500'),**

**('ST\_CLERK', 'Stock Clerk', '2000', '5000'),**

**('SH\_CLERK', 'Shipping Clerk', '2500', '5500'),**

**('IT\_PROG', 'Programmer', '4000', '10000'),**

**('MK\_MAN', 'Marketing Manager', '9000', '15000'),**

**('MK\_REP', 'Marketing Representative', '4000', '9000'),**

**('HR\_REP', 'Human Resources Representative', '4000', '9000'),**

**('PR\_REP', 'Public Relations Representative', '4500', '10500');**

**-- --------------------------------------------------------**

**--**

**-- Table structure for table `locations`**

**--**

**CREATE TABLE IF NOT EXISTS `locations` (**

**`LOCATION\_ID` decimal(4,0) NOT NULL DEFAULT '0',**

**`STREET\_ADDRESS` varchar(40) DEFAULT NULL,**

**`POSTAL\_CODE` varchar(12) DEFAULT NULL,**

**`CITY` varchar(30) NOT NULL,**

**`STATE\_PROVINCE` varchar(25) DEFAULT NULL,**

**`COUNTRY\_ID` varchar(2) DEFAULT NULL,**

**PRIMARY KEY (`LOCATION\_ID`),**

**KEY `LOC\_CITY\_IX` (`CITY`),**

**KEY `LOC\_COUNTRY\_IX` (`COUNTRY\_ID`),**

**KEY `LOC\_STATE\_PROVINCE\_IX` (`STATE\_PROVINCE`)**

**) ENGINE=MyISAM DEFAULT CHARSET=latin1;**

**--**

**-- Dumping data for table `locations`**

**--**

**INSERT INTO `locations` (`LOCATION\_ID`, `STREET\_ADDRESS`, `POSTAL\_CODE`, `CITY`, `STATE\_PROVINCE`, `COUNTRY\_ID`) VALUES**

**('1000', '1297 Via Cola di Rie', '989', 'Roma', '', 'IT'),**

**('1100', '93091 Calle della Testa', '10934', 'Venice', '', 'IT'),**

**('1200', '2017 Shinjuku-ku', '1689', 'Tokyo', 'Tokyo Prefecture', 'JP'),**

**('1300', '9450 Kamiya-cho', '6823', 'Hiroshima', '', 'JP'),**

**('1400', '2014 Jabberwocky Rd', '26192', 'Southlake', 'Texas', 'US'),**

**('1500', '2011 Interiors Blvd', '99236', 'South San Francisco', 'California', 'US'),**

**('1600', '2007 Zagora St', '50090', 'South Brunswick', 'New Jersey', 'US'),**

**('1700', '2004 Charade Rd', '98199', 'Seattle', 'Washington', 'US'),**

**('1800', '147 Spadina Ave', 'M5V 2L7', 'Toronto', 'Ontario', 'CA'),**

**('1900', '6092 Boxwood St', 'YSW 9T2', 'Whitehorse', 'Yukon', 'CA'),**

**('2000', '40-5-12 Laogianggen', '190518', 'Beijing', '', 'CN'),**

**('2100', '1298 Vileparle (E)', '490231', 'Bombay', 'Maharashtra', 'IN'),**

**('2200', '12-98 Victoria Street', '2901', 'Sydney', 'New South Wales', 'AU'),**

**('2300', '198 Clementi North', '540198', 'Singapore', '', 'SG'),**

**('2400', '8204 Arthur St', '', 'London', '', 'UK'),**

**('2500', '"Magdalen Centre', ' The Oxford ', 'OX9 9ZB', 'Oxford', 'Ox'),**

**('2600', '9702 Chester Road', '9629850293', 'Stretford', 'Manchester', 'UK'),**

**('2700', 'Schwanthalerstr. 7031', '80925', 'Munich', 'Bavaria', 'DE'),**

**('2800', 'Rua Frei Caneca 1360', '01307-002', 'Sao Paulo', 'Sao Paulo', 'BR'),**

**('2900', '20 Rue des Corps-Saints', '1730', 'Geneva', 'Geneve', 'CH'),**

**('3000', 'Murtenstrasse 921', '3095', 'Bern', 'BE', 'CH'),**

**('3100', 'Pieter Breughelstraat 837', '3029SK', 'Utrecht', 'Utrecht', 'NL'),**

**('3200', 'Mariano Escobedo 9991', '11932', 'Mexico City', '"Distrito Federal', '"');**

**-- --------------------------------------------------------**

**--**

**-- Table structure for table `regions`**

**--**

**CREATE TABLE IF NOT EXISTS `regions` (**

**`REGION\_ID` decimal(5,0) NOT NULL,**

**`REGION\_NAME` varchar(25) DEFAULT NULL,**

**PRIMARY KEY (`REGION\_ID`),**

**UNIQUE KEY `sss` (`REGION\_NAME`)**

**) ENGINE=MyISAM DEFAULT CHARSET=latin1;**

**--**

**-- Dumping data for table `regions`**

**--**

**INSERT INTO `regions` (`REGION\_ID`, `REGION\_NAME`) VALUES**

**('1', 'Europe\r'),**

**('2', 'Americas\r'),**

**('3', 'Asia\r'),**

**('4', 'Middle East and Africa\r');**

**1.** Write a query to find the name (first\_name, last\_name) and the salary of the employees who have a higher salary than the employee whose last\_name='Bull'.

**Sample table: employees**

**2.** Write a query to find the name (first\_name, last\_name) of all employees who works in the IT department.

**Sample table: employees**

**3.** Write a query to find the name (first\_name, last\_name) of the employees who have a manager and worked in a USA based department.

Hint : Write single-row and multiple-row subqueries

**Sample table: employees**

**Sample table: departments**

**Sample table: locations**

**4.** Write a query to find the name (first\_name, last\_name) of the employees who are managers.

**Sample table: employees**

**5.** Write a query to find the name (first\_name, last\_name), and salary of the employees whose salary is greater than the average salary.

**Sample table: employees**

**6.** Write a query to find the name (first\_name, last\_name), and salary of the employees whose salary is equal to the minimum salary for their job grade.

**Sample table: employees**

**Sample table: jobs**

**7.** Write a query to find the name (first\_name, last\_name), and salary of the employees who earns more than the average salary and works in any of the IT departments.

**Sample table: employees**

**Sample table: departments**

**8.** Write a query to find the name (first\_name, last\_name), and salary of the employees who earns more than the earning of Mr. Bell.

**Sample table: employees**

**Sample table: departments**

**9.** Write a query to find the name (first\_name, last\_name), and salary of the employees who earn the same salary as the minimum salary for all departments.

**Sample table: employees**

**Sample table: departments**

**10.** Write a query to find the name (first\_name, last\_name), and salary of the employees whose salary is greater than the average salary of all departments.

**Sample table: employees**

**11.** Write a query to find the name (first\_name, last\_name) and salary of the employees who earn a salary that is higher than the salary of all the Shipping Clerk (JOB\_ID = 'SH\_CLERK'). Sort the results of the salary of the lowest to highest.

**Sample table: employees**

**12.** Write a query to find the name (first\_name, last\_name) of the employees who are not supervisors.

**Sample table: employees**

**13.** Write a query to display the employee ID, first name, last name, and department names of all employees.

**Sample table: employees**

**Sample table: departments**

**14.** Write a query to display the employee ID, first name, last name, salary of all employees whose salary is above average for their departments.

**Sample table: employees**

**Sample table: departments**

**15.** Write a query to fetch even numbered records from employees table.

**Sample table: employees**

**16.** Write a query to find the 5th maximum salary in the employees table.

**Sample table: employees**

**17.** Write a query to find the 4th minimum salary in the employees table.

**Sample table: employees**

**18.** Write a query to select last 10 records from a table.

**Sample table: employees**

**19.** Write a query to list the department ID and name of all the departments where no employee is working.

**Sample table: employees**

**Sample table: departments**

**20.** Write a query to get 3 maximum salaries.

**Sample table: employees**

**21.** Write a query to get 3 minimum salaries.

**Sample table: employees**

**22.** Write a query to get nth max salaries of employees.

**Sample table: employees**