

Alex Stewart

CS350 HW1

## Set up Database and Home Page (DUE Week 2 - Friday night at midnight)

Table 1 Input

```
DROP TABLE IF EXISTS `department`;  
  
CREATE TABLE `department` (  
  `dname` varchar(25) NOT NULL,  
  `dnumber` int(4) NOT NULL DEFAULT '0',  
  `mgrssn` char(9) NOT NULL,  
  `mgrstartdate` date DEFAULT NULL,  
  PRIMARY KEY (`dnumber`),  
  KEY `dname` (`dname`)  
) ENGINE=MyISAM DEFAULT CHARSET=utf8;  
  
LOCK TABLES `department` WRITE;  
  
INSERT INTO `department` VALUES ('Research',5,'333445555','1978-05-22'),('Administration',4,'987654321','1985-01-01'),  
('Headquarters',1,'888665555','1971-06-19'),('Software',6,'111111100','1999-05-15'),  
('Hardware',7,'444444400','1998-05-15'),  
('Sales',8,'555555500','1997-01-01');  
  
UNLOCK TABLES;
```

Table 1 output

dname	dnumber	mgrssn	mgrstartdate
Research	5	333445555	1978-05-22
Administration	4	987654321	1985-01-01
Headquarters	1	888665555	1971-06-19
Software	6	111111100	1999-05-15
Hardware	7	444444400	1998-05-15
Sales	8	555555500	1997-01-01

Table 2 input

```

DROP TABLE IF EXISTS `dependent`;

CREATE TABLE `dependent` (
  `essn` char(9) NOT NULL DEFAULT '',
  `dependent_name` varchar(15) NOT NULL DEFAULT '',
  `sex` char(1) DEFAULT NULL,
  `bdate` date DEFAULT NULL,
  `relationship` varchar(8) DEFAULT NULL,
  PRIMARY KEY (`essn`,`dependent_name`)
) ENGINE=MyISAM DEFAULT CHARSET=utf8;

LOCK TABLES `dependent` WRITE;

INSERT INTO `dependent` VALUES ('333445555','Alice','F','1976-04-05','Daughter'),
('333445555','Theodore','M','1973-10-25','Son'),('333445555','Joy','F','1948-05-03','Spouse'),
('987654321','Abner','M','1932-02-29','Spouse'),('123456789','Michael','M','1978-01-01','Son'),
('123456789','Alice','F','1978-12-31','Daughter'),('123456789','Elizabeth','F','0000-00-00','Spouse'),
('444444400','Johnny','M','1997-04-04','Son'),('444444400','Tommy','M','1999-06-07','Son'),
('444444401','Chris','M','1969-04-19','Spouse'),('444444402','Sam','M','1964-02-14','Spouse');

UNLOCK TABLES;

```

Table 2 output

essn	dependent_name	sex	bdate	relationship
333445555	Alice	F	1976-04-05	Daughter
333445555	Theodore	M	1973-10-25	Son
333445555	Joy	F	1948-05-03	Spouse
987654321	Abner	M	1932-02-29	Spouse
123456789	Michael	M	1978-01-01	Son
123456789	Alice	F	1978-12-31	Daughter
123456789	Elizabeth	F	0000-00-00	Spouse
444444400	Johnny	M	1997-04-04	Son
444444400	Tommy	M	1999-06-07	Son
444444401	Chris	M	1969-04-19	Spouse
444444402	Sam	M	1964-02-14	Spouse

### Table 3 input

```
DROP TABLE IF EXISTS `dept_locations`;  
  
CREATE TABLE `dept_locations` (  
  `dnumber` int(4) NOT NULL DEFAULT '0',  
  `dlocation` varchar(15) NOT NULL DEFAULT '',  
  PRIMARY KEY (`dnumber`,`dlocation`)  
) ENGINE=MyISAM DEFAULT CHARSET=utf8;  
  
LOCK TABLES `dept_locations` WRITE;  
  
INSERT INTO `dept_locations` VALUES (1,'Houston'),(4,'Stafford'),(5,'Bellaire'),  
(5,'Houston'),(5,'Sugarland'),(6,'Atlanta'),(6,'Sacramento'),(7,'Milwaukee'),(8,'Chicago'),  
(8,'Dallas'),(8,'Miami'),(8,'Philadelphia'),(8,'Seattle');  
  
UNLOCK TABLES;
```

### Table 3 output

dnumber	dlocation
1	Houston
4	Stafford
5	Bellaire
5	Houston
5	Sugarland
6	Atlanta
6	Sacramento
7	Milwaukee
8	Chicago
8	Dallas
8	Miami
8	Philadelphia
8	Seattle

Table 4 input

```

CREATE TABLE `employee` (
  `fname` varchar(15) NOT NULL,
  `minit` varchar(1) DEFAULT NULL,
  `lname` varchar(15) NOT NULL,
  `ssn` char(9) NOT NULL DEFAULT '',
  `bdate` date DEFAULT NULL,
  `address` varchar(50) DEFAULT NULL,
  `sex` char(1) DEFAULT NULL,
  `salary` decimal(10,2) DEFAULT NULL,
  `superssn` char(9) DEFAULT NULL,
  `dno` int(4) DEFAULT NULL,
  PRIMARY KEY (`ssn`),
  KEY `superssn` (`superssn`),
  KEY `dno` (`dno`)
) ENGINE=MyISAM DEFAULT CHARSET=utf8;

LOCK TABLES `employee` WRITE;

INSERT INTO `employee` VALUES ('Andy','C','Vile','22222202','1944-06-21','1967 Jordan, Milwaukee, WI','M','53000.00','22222200',7),
('Brad','C','Knight','11111103','1968-02-13','176 Main St., Atlanta, GA','M','44000.00','11111100',6),('Evan','E','Wallis','22222200','1958-01-16','134
Pelham, Milwaukee, WI','M','56000.00','22222200',7),
('Josh','U','Zell','22222201','1954-05-22','266 McGrady, Milwaukee, WI','M','56000.00','22222200',7),
('Jared','D','James','11111100','1966-10-10','123 Peachtree, Atlanta, GA','M','85000.00','null',6),('Justin','n','Mark','11111102','1966-01-12','2342 May,
Atlanta, GA','M','40000.00','11111100',6),('Jon','C','Jones','11111101','1967-11-14','111 Allgood, Atlanta, GA','M','45000.00','11111100',6),
('John','C','James','55555500','1975-06-30','7676 Bloomington, Sacramento, CA','M','81000.00','null',6),('Alex','D','Freed','44444400','1950-10-09','4333
Pillsbury, Milwaukee, WI','M','89000.00','null',7),('Ahmad','V','Jabbar','987987987','1959-03-29','980 Dallas, Houston, TX','M','25000.00','987654321',4),
('Joyce','A','English','453453453','1962-07-31','5631 Rice, Houston, TX','F','25000.00','333445555',5),('Ramesh','K','Narayan','666884444','1952-09-15','971
Fire Oak, Humble, TX','M','38000.00','333445555',5),('Alicia','J','Zelaya','999887777','1958-07-19','3321 Castle, Spring, TX','F','25000.00','987654321',4),
('John','B','Smith','123456789','1955-01-09','731 Fondren, Houston, TX','M','30000.00','333445555',5),('Jennifer','S','Wallace','987654321','1931-06-20','291
Berry, Bellaire, TX','F','43000.00','888665555',4),('Franklin','T','Wong','333445555','1945-12-08','638 Voss, Houston, TX','M','40000.00','888665555',5),
('James','E','Borg','888665555','1927-11-10','450 Stone, Houston, TX','M','55000.00','null',1),('Tom','G','Brand','22222203','1966-12-16','112 Third St,
Milwaukee, WI','M','62500.00','22222200',7),('Jenny','F','Vos','22222204','1967-11-11','263 Mayberry, Milwaukee, WI','F','61000.00','22222201',7),
('Chris','A','Carter','22222205','1960-03-21','565 Jordan, Milwaukee, WI','F','43000.00','22222201',7),('Kim','C','Grace','33333300','1970-10-23','6677
Mills Ave, Sacramento, CA','F','79000.00','null',6),('Jeff','H','Chase','33333301','1970-01-07','145 Bradbury, Sacramento, CA','M','44000.00','33333300',6),
('Bonnie','S','Bays','44444401','1956-06-19','111 Hollow, Milwaukee, WI','F','70000.00','44444400',7),('Alec','C','Best','44444402','1966-06-18','233 Solid,
Milwaukee, WI','M','60000.00','44444400',7),('Sam','S','Snedden','44444403','1977-07-31','987 Windy St, Milwaukee, WI','M','48000.00','44444400',7),
('Nandita','K','Ball','55555501','1969-04-16','222 Howard, Sacramento, CA','M','62000.00','55555500',6),('Bob','B','Bender','66666600','1968-04-17','8794
Garfield, Chicago, IL','M','96000.00','null',8),('Jill','J','Jarvis','66666601','1966-01-14','6234 Lincoln, Chicago, IL','F','36000.00','66666600',8),
('Kate','W','King','66666602','1966-04-16','1976 Boone Trace, Chicago, IL','F','44000.00','66666600',8),('Lyle','G','Leslie','66666603','1963-06-09','417
Hancock Ave, Chicago, IL','M','41000.00','66666601',8),('Billie','J','King','66666604','1960-01-01','556 Washington, Chicago,
IL','F','38000.00','66666603',8),('Jon','A','Kramer','66666605','1964-08-22','1988 Windy Creek, Seattle, WA','M','41500.00','66666603',8),
('Ray','H','King','66666606','1949-08-16','213 Delk Road, Seattle, WA','M','44500.00','66666604',8),('Gerald','D','Small','66666607','1962-05-15','122 Ball
Street, Dallas, TX','M','39000.00','66666602',8),('Arnold','A','Head','66666608','1967-05-19','233 Spring St, Dallas, TX','M','33000.00','66666602',8),
('Helga','C','Pataki','66666609','1969-03-11','101 Holyoke St, Dallas, TX','F','32000.00','66666602',8),('Naveen','B','Drew','66666610','1970-05-23','198
Elm St, Philadelphia, PA','M','34000.00','66666607',8),('Carl','E','Reedy','66666611','1977-06-21','213 Ball St, Philadelphia,
PA','M','32000.00','66666610',8),('Sammy','G','Hall','66666612','1970-01-11','433 Main Street, Miami, FL','M','37000.00','66666611',8),
('Red','A','Bacher','66666613','1980-05-21','196 Elm Street, Miami, FL','M','33500.00','66666612',8);

UNLOCK TABLES;

```

Table 4 output

fname	minit	lname	ssn	bdate	address	sex	salary	superssn	dno
Andy	C	Vile	22222202	1944-06-21	1967 Jordan, Milwaukee, WI	M	53000.00	22222200	7
Brad	C	Knight	11111103	1968-02-13	176 Main St., Atlanta, GA	M	44000.00	11111100	6
Evan	E	Wallis	22222200	1958-01-16	134 Pelham, Milwaukee, WI	M	92000.00	null	7
Josh	U	Zell	22222201	1954-05-22	266 McGrady, Milwaukee, WI	M	56000.00	22222200	7
Jared	D	James	11111100	1966-10-10	123 Peachtree, Atlanta, GA	M	85000.00	null	6
Justin	n	Mark	11111102	1966-01-12	2342 May, Atlanta, GA	M	40000.00	11111100	6
Jon	C	Jones	11111101	1967-11-14	111 Allgood, Atlanta, GA	M	45000.00	11111100	6
John	C	James	55555500	1975-06-30	7676 Bloomington, Sacramento, CA	M	81000.00	null	6
Alex	D	Freed	44444400	1950-10-09	4333 Pillsbury, Milwaukee, WI	M	89000.00	null	7
Ahmad	V	Jabbar	987987987	1959-03-29	980 Dallas, Houston, TX	M	25000.00	987654321	4
Joyce	A	English	453453453	1962-07-31	5631 Rice, Houston, TX	F	25000.00	333445555	5
Ramesh	K	Narayan	666884444	1952-09-15	971 Fire Oak, Humble, TX	M	38000.00	333445555	5
Alicia	J	Zelaya	999887777	1958-07-19	3321 Castle, Spring, TX	F	25000.00	987654321	4
John	B	Smith	123456789	1955-01-09	731 Fondren, Houston, TX	M	30000.00	333445555	5
Jennifer	S	Wallace	987654321	1931-06-20	291 Berry, Bellaire, TX	F	43000.00	888665555	4
Franklin	T	Wong	333445555	1945-12-08	638 Voss, Houston, TX	M	40000.00	888665555	5
James	E	Borg	888665555	1927-11-10	450 Stone, Houston, TX	M	55000.00	null	1
Tom	G	Brand	22222203	1966-12-16	112 Third St, Milwaukee, WI	M	62500.00	22222200	7
Jenny	F	Vos	22222204	1967-11-11	263 Mayberry, Milwaukee, WI	F	61000.00	22222201	7
Chris	A	Carter	22222205	1960-03-21	565 Jordan, Milwaukee, WI	F	43000.00	22222201	7
Kim	C	Grace	33333300	1970-10-23	6677 Mills Ave, Sacramento, CA	F	79000.00	null	6
Jeff	H	Chase	33333301	1970-01-07	145 Bradbury, Sacramento, CA	M	44000.00	33333300	6
Bonnie	S	Bays	44444401	1956-06-19	111 Hollow, Milwaukee, WI	F	70000.00	44444400	7
Alec	C	Best	44444402	1966-06-18	233 Solid, Milwaukee, WI	M	60000.00	44444400	7
Sam	S	Snedden	44444403	1977-07-31	987 Windy St, Milwaukee, WI	M	48000.00	44444400	7
Nandita	K	Ball	55555501	1969-04-16	222 Howard, Sacramento, CA	M	62000.00	55555500	6
Bob	B	Bender	66666600	1968-04-17	8794 Garfield, Chicago, IL	M	96000.00	null	8
Jill	J	Jarvis	66666601	1966-01-14	6234 Lincoln, Chicago, IL	F	36000.00	66666600	8
Kate	W	King	66666602	1966-04-16	1976 Boone Trace, Chicago, IL	F	44000.00	66666600	8
Lyle	G	Leslie	66666603	1963-06-09	417 Hancock Ave, Chicago, IL	M	41000.00	66666601	8
Billie	J	King	66666604	1960-01-01	556 Washington, Chicago, IL	F	38000.00	66666603	8
Jon	A	Kramer	66666605	1964-08-22	1988 Windy Creek, Seattle, WA	M	41500.00	66666603	8
Ray	H	King	66666606	1949-08-16	213 Delk Road, Seattle, WA	M	44500.00	66666604	8
Gerald	D	Small	66666607	1962-05-15	122 Ball Street, Dallas, TX	M	29000.00	66666602	8
Arnold	A	Head	66666608	1967-05-19	233 Spring St, Dallas, TX	M	33000.00	66666602	8
Helga	C	Pataki	66666609	1969-03-11	101 Holyoke St, Dallas, TX	F	32000.00	66666602	8
Naveen	B	Drew	66666610	1970-05-23	198 Elm St, Philadelphia, PA	M	34000.00	66666607	8
Carl	E	Reedy	66666611	1977-06-21	213 Ball St, Philadelphia, PA	M	32000.00	66666610	8
Sammy	G	Hall	66666612	1970-01-11	433 Main Street, Miami, FL	M	37000.00	66666611	8
Red	A	Bacher	66666613	1980-05-21	196 Elm Street, Miami, FL	M	33500.00	66666612	8