**MySql Lab 1 answers:**

+---------------------+

| Tables\_in\_employees |

+---------------------+

| departments |

| dept\_emp |

| dept\_manager |

| employees |

| salaries |

| titles |

+---------------------+

6 rows in set (0.00 sec)

mysql> describe salaries;

+-----------+---------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+-----------+---------+------+-----+---------+-------+

| emp\_no | int(11) | NO | PRI | NULL | |

| salary | int(11) | NO | | NULL | |

| from\_date | date | NO | PRI | NULL | |

| to\_date | date | NO | | NULL | |

+-----------+---------+------+-----+---------+-------+

4 rows in set (0.01 sec)

mysql> select \* from salaries where salary >= 101000;

+--------+--------+------------+------------+

| emp\_no | salary | from\_date | to\_date |

+--------+--------+------------+------------+

| 10066 | 102425 | 2000-02-23 | 2001-02-22 |

| 10066 | 102674 | 2001-02-22 | 2002-02-22 |

| 10066 | 103672 | 2002-02-22 | 9999-01-01 |

| 10068 | 101829 | 1994-08-05 | 1995-08-05 |

| 10068 | 101630 | 1995-08-05 | 1996-08-04 |

| 10068 | 105533 | 1996-08-04 | 1997-08-04 |

| 10068 | 106204 | 1997-08-04 | 1998-08-04 |

| 10068 | 108345 | 1998-08-04 | 1999-08-04 |

| 10068 | 111623 | 1999-08-04 | 2000-08-03 |

| 10068 | 112470 | 2000-08-03 | 2001-08-03 |

| 10068 | 113229 | 2001-08-03 | 9999-01-01 |

| 10087 | 102651 | 2000-05-07 | 2001-01-09 |

+--------+--------+------------+------------+

12 rows in set (0.00 sec)

mysql> select \* from salaries where salary >= 101000 AND $' + CONVERT(varchar(12

), salary, 1);

'> ;

'> ;

'>

'>

'> ;

'> ^Z

'> ^Z

'> select \* from salaries where salary >= 101000;

'>

'> select \* from departments;

'> ;$' + CONVERT(varchar(12), Unitprice, 1) AS

->

-> ;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that

corresponds to your MySQL server version for the right syntax to use near '' + C

ONVERT(varchar(12), salary, 1);

;

;

;

→

→

select \* from salaries where sa' at line 1

mysql> select \* from salaries where salary >= 101000;

+--------+--------+------------+------------+

| emp\_no | salary | from\_date | to\_date |

+--------+--------+------------+------------+

| 10066 | 102425 | 2000-02-23 | 2001-02-22 |

| 10066 | 102674 | 2001-02-22 | 2002-02-22 |

| 10066 | 103672 | 2002-02-22 | 9999-01-01 |

| 10068 | 101829 | 1994-08-05 | 1995-08-05 |

| 10068 | 101630 | 1995-08-05 | 1996-08-04 |

| 10068 | 105533 | 1996-08-04 | 1997-08-04 |

| 10068 | 106204 | 1997-08-04 | 1998-08-04 |

| 10068 | 108345 | 1998-08-04 | 1999-08-04 |

| 10068 | 111623 | 1999-08-04 | 2000-08-03 |

| 10068 | 112470 | 2000-08-03 | 2001-08-03 |

| 10068 | 113229 | 2001-08-03 | 9999-01-01 |

| 10087 | 102651 | 2000-05-07 | 2001-01-09 |

+--------+--------+------------+------------+

12 rows in set (0.00 sec)

mysql> select salary as money from salaries where salary >= 101000;

+--------+

| money |

+--------+

| 102425 |

| 102674 |

| 103672 |

| 101829 |

| 101630 |

| 105533 |

| 106204 |

| 108345 |

| 111623 |

| 112470 |

| 113229 |

| 102651 |

+--------+

12 rows in set (0.00 sec)

mysql> describe employees;

+------------+---------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+------------+---------------+------+-----+---------+-------+

| emp\_no | int(11) | NO | PRI | NULL | |

| birth\_date | date | NO | | NULL | |

| first\_name | varchar(14) | NO | | NULL | |

| last\_name | varchar(16) | NO | | NULL | |

| gender | enum('M','F') | NO | | NULL | |

| hire\_date | date | NO | | NULL | |

+------------+---------------+------+-----+---------+-------+

6 rows in set (0.01 sec)

mysql> select \* from employees where hire\_date = '1987';

Empty set, 2 warnings (0.00 sec)

mysql> select \* from employees where hire\_date = '1987' AND birth\_date >= ' 1960

';

Empty set, 3 warnings (0.00 sec)

mysql> select \* employees;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that

corresponds to your MySQL server version for the right syntax to use near 'emplo

yees' at line 1

mysql> select \* from employees;

+--------+------------+-------------+--------------+--------+------------+

| emp\_no | birth\_date | first\_name | last\_name | gender | hire\_date |

+--------+------------+-------------+--------------+--------+------------+

| 10001 | 1953-09-02 | Georgi | Facello | M | 1986-06-26 |

| 10002 | 1964-06-02 | Bezalel | Simmel | F | 1985-11-21 |

| 10003 | 1959-12-03 | Parto | Bamford | M | 1986-08-28 |

| 10004 | 1954-05-01 | Chirstian | Koblick | M | 1986-12-01 |

| 10005 | 1955-01-21 | Kyoichi | Maliniak | M | 1989-09-12 |

| 10006 | 1953-04-20 | Anneke | Preusig | F | 1989-06-02 |

| 10007 | 1957-05-23 | Tzvetan | Zielinski | F | 1989-02-10 |

| 10008 | 1958-02-19 | Saniya | Kalloufi | M | 1994-09-15 |

| 10009 | 1952-04-19 | Sumant | Peac | F | 1985-02-18 |

| 10010 | 1963-06-01 | Duangkaew | Piveteau | F | 1989-08-24 |

| 10011 | 1953-11-07 | Mary | Sluis | F | 1990-01-22 |

| 10012 | 1960-10-04 | Patricio | Bridgland | M | 1992-12-18 |

| 10013 | 1963-06-07 | Eberhardt | Terkki | M | 1985-10-20 |

| 10014 | 1956-02-12 | Berni | Genin | M | 1987-03-11 |

| 10015 | 1959-08-19 | Guoxiang | Nooteboom | M | 1987-07-02 |

| 10016 | 1961-05-02 | Kazuhito | Cappelletti | M | 1995-01-27 |

| 10017 | 1958-07-06 | Cristinel | Bouloucos | F | 1993-08-03 |

| 10018 | 1954-06-19 | Kazuhide | Peha | F | 1987-04-03 |

| 10019 | 1953-01-23 | Lillian | Haddadi | M | 1999-04-30 |

| 10020 | 1952-12-24 | Mayuko | Warwick | M | 1991-01-26 |

| 10021 | 1960-02-20 | Ramzi | Erde | M | 1988-02-10 |

| 10022 | 1952-07-08 | Shahaf | Famili | M | 1995-08-22 |

| 10023 | 1953-09-29 | Bojan | Montemayor | F | 1989-12-17 |

| 10024 | 1958-09-05 | Suzette | Pettey | F | 1997-05-19 |

| 10025 | 1958-10-31 | Prasadram | Heyers | M | 1987-08-17 |

| 10026 | 1953-04-03 | Yongqiao | Berztiss | M | 1995-03-20 |

| 10027 | 1962-07-10 | Divier | Reistad | F | 1989-07-07 |

| 10028 | 1963-11-26 | Domenick | Tempesti | M | 1991-10-22 |

| 10029 | 1956-12-13 | Otmar | Herbst | M | 1985-11-20 |

| 10030 | 1958-07-14 | Elvis | Demeyer | M | 1994-02-17 |

| 10031 | 1959-01-27 | Karsten | Joslin | M | 1991-09-01 |

| 10032 | 1960-08-09 | Jeong | Reistad | F | 1990-06-20 |

| 10033 | 1956-11-14 | Arif | Merlo | M | 1987-03-18 |

| 10034 | 1962-12-29 | Bader | Swan | M | 1988-09-21 |

| 10035 | 1953-02-08 | Alain | Chappelet | M | 1988-09-05 |

| 10036 | 1959-08-10 | Adamantios | Portugali | M | 1992-01-03 |

| 10037 | 1963-07-22 | Pradeep | Makrucki | M | 1990-12-05 |

| 10038 | 1960-07-20 | Huan | Lortz | M | 1989-09-20 |

| 10039 | 1959-10-01 | Alejandro | Brender | M | 1988-01-19 |

| 10040 | 1959-09-13 | Weiyi | Meriste | F | 1993-02-14 |

| 10041 | 1959-08-27 | Uri | Lenart | F | 1989-11-12 |

| 10042 | 1956-02-26 | Magy | Stamatiou | F | 1993-03-21 |

| 10043 | 1960-09-19 | Yishay | Tzvieli | M | 1990-10-20 |

| 10044 | 1961-09-21 | Mingsen | Casley | F | 1994-05-21 |

| 10045 | 1957-08-14 | Moss | Shanbhogue | M | 1989-09-02 |

| 10046 | 1960-07-23 | Lucien | Rosenbaum | M | 1992-06-20 |

| 10047 | 1952-06-29 | Zvonko | Nyanchama | M | 1989-03-31 |

| 10048 | 1963-07-11 | Florian | Syrotiuk | M | 1985-02-24 |

| 10049 | 1961-04-24 | Basil | Tramer | F | 1992-05-04 |

| 10050 | 1958-05-21 | Yinghua | Dredge | M | 1990-12-25 |

| 10051 | 1953-07-28 | Hidefumi | Caine | M | 1992-10-15 |

| 10052 | 1961-02-26 | Heping | Nitsch | M | 1988-05-21 |

| 10053 | 1954-09-13 | Sanjiv | Zschoche | F | 1986-02-04 |

| 10054 | 1957-04-04 | Mayumi | Schueller | M | 1995-03-13 |

| 10055 | 1956-06-06 | Georgy | Dredge | M | 1992-04-27 |

| 10056 | 1961-09-01 | Brendon | Bernini | F | 1990-02-01 |

| 10057 | 1954-05-30 | Ebbe | Callaway | F | 1992-01-15 |

| 10058 | 1954-10-01 | Berhard | McFarlin | M | 1987-04-13 |

| 10059 | 1953-09-19 | Alejandro | McAlpine | F | 1991-06-26 |

| 10060 | 1961-10-15 | Breannda | Billingsley | M | 1987-11-02 |

| 10061 | 1962-10-19 | Tse | Herber | M | 1985-09-17 |

| 10062 | 1961-11-02 | Anoosh | Peyn | M | 1991-08-30 |

| 10063 | 1952-08-06 | Gino | Leonhardt | F | 1989-04-08 |

| 10064 | 1959-04-07 | Udi | Jansch | M | 1985-11-20 |

| 10065 | 1963-04-14 | Satosi | Awdeh | M | 1988-05-18 |

| 10066 | 1952-11-13 | Kwee | Schusler | M | 1986-02-26 |

| 10067 | 1953-01-07 | Claudi | Stavenow | M | 1987-03-04 |

| 10068 | 1962-11-26 | Charlene | Brattka | M | 1987-08-07 |

| 10069 | 1960-09-06 | Margareta | Bierman | F | 1989-11-05 |

| 10070 | 1955-08-20 | Reuven | Garigliano | M | 1985-10-14 |

| 10071 | 1958-01-21 | Hisao | Lipner | M | 1987-10-01 |

| 10072 | 1952-05-15 | Hironoby | Sidou | F | 1988-07-21 |

| 10073 | 1954-02-23 | Shir | McClurg | M | 1991-12-01 |

| 10074 | 1955-08-28 | Mokhtar | Bernatsky | F | 1990-08-13 |

| 10075 | 1960-03-09 | Gao | Dolinsky | F | 1987-03-19 |

| 10076 | 1952-06-13 | Erez | Ritzmann | F | 1985-07-09 |

| 10077 | 1964-04-18 | Mona | Azuma | M | 1990-03-02 |

| 10078 | 1959-12-25 | Danel | Mondadori | F | 1987-05-26 |

| 10079 | 1961-10-05 | Kshitij | Gils | F | 1986-03-27 |

| 10080 | 1957-12-03 | Premal | Baek | M | 1985-11-19 |

| 10081 | 1960-12-17 | Zhongwei | Rosen | M | 1986-10-30 |

| 10082 | 1963-09-09 | Parviz | Lortz | M | 1990-01-03 |

| 10083 | 1959-07-23 | Vishv | Zockler | M | 1987-03-31 |

| 10084 | 1960-05-25 | Tuval | Kalloufi | M | 1995-12-15 |

| 10085 | 1962-11-07 | Kenroku | Malabarba | M | 1994-04-09 |

| 10086 | 1962-11-19 | Somnath | Foote | M | 1990-02-16 |

| 10087 | 1959-07-23 | Xinglin | Eugenio | F | 1986-09-08 |

| 10088 | 1954-02-25 | Jungsoon | Syrzycki | F | 1988-09-02 |

| 10089 | 1963-03-21 | Sudharsan | Flasterstein | F | 1986-08-12 |

| 10090 | 1961-05-30 | Kendra | Hofting | M | 1986-03-14 |

| 10091 | 1955-10-04 | Amabile | Gomatam | M | 1992-11-18 |

| 10092 | 1964-10-18 | Valdiodio | Niizuma | F | 1989-09-22 |

| 10093 | 1964-06-11 | Sailaja | Desikan | M | 1996-11-05 |

| 10094 | 1957-05-25 | Arumugam | Ossenbruggen | F | 1987-04-18 |

| 10095 | 1965-01-03 | Hilari | Morton | M | 1986-07-15 |

| 10096 | 1954-09-16 | Jayson | Mandell | M | 1990-01-14 |

| 10097 | 1952-02-27 | Remzi | Waschkowski | M | 1990-09-15 |

| 10098 | 1961-09-23 | Sreekrishna | Servieres | F | 1985-05-13 |

| 10099 | 1956-05-25 | Valter | Sullins | F | 1988-10-18 |

| 10100 | 1953-04-21 | Hironobu | Haraldson | F | 1987-09-21 |

+--------+------------+-------------+--------------+--------+------------+

100 rows in set (0.00 sec)

mysql> select \* from employees where hire\_date = '%1987%' AND birth\_date >= ' 19

60';

Empty set, 3 warnings (0.00 sec)

mysql> select \* from employees where hire\_date like '%1987%' AND birth\_date >= '

1960';

+--------+------------+------------+--------------+--------+------------+

| emp\_no | birth\_date | first\_name | last\_name | gender | hire\_date |

+--------+------------+------------+--------------+--------+------------+

| 10014 | 1956-02-12 | Berni | Genin | M | 1987-03-11 |

| 10015 | 1959-08-19 | Guoxiang | Nooteboom | M | 1987-07-02 |

| 10018 | 1954-06-19 | Kazuhide | Peha | F | 1987-04-03 |

| 10025 | 1958-10-31 | Prasadram | Heyers | M | 1987-08-17 |

| 10033 | 1956-11-14 | Arif | Merlo | M | 1987-03-18 |

| 10058 | 1954-10-01 | Berhard | McFarlin | M | 1987-04-13 |

| 10060 | 1961-10-15 | Breannda | Billingsley | M | 1987-11-02 |

| 10067 | 1953-01-07 | Claudi | Stavenow | M | 1987-03-04 |

| 10068 | 1962-11-26 | Charlene | Brattka | M | 1987-08-07 |

| 10071 | 1958-01-21 | Hisao | Lipner | M | 1987-10-01 |

| 10075 | 1960-03-09 | Gao | Dolinsky | F | 1987-03-19 |

| 10078 | 1959-12-25 | Danel | Mondadori | F | 1987-05-26 |

| 10083 | 1959-07-23 | Vishv | Zockler | M | 1987-03-31 |

| 10094 | 1957-05-25 | Arumugam | Ossenbruggen | F | 1987-04-18 |

| 10100 | 1953-04-21 | Hironobu | Haraldson | F | 1987-09-21 |

+--------+------------+------------+--------------+--------+------------+

15 rows in set, 2 warnings (0.00 sec)

mysql> select \* from employees where hire\_date like '%1987%' AND birth\_date >= '

1960';

+--------+------------+------------+--------------+--------+------------+

| emp\_no | birth\_date | first\_name | last\_name | gender | hire\_date |

+--------+------------+------------+--------------+--------+------------+

| 10014 | 1956-02-12 | Berni | Genin | M | 1987-03-11 |

| 10015 | 1959-08-19 | Guoxiang | Nooteboom | M | 1987-07-02 |

| 10018 | 1954-06-19 | Kazuhide | Peha | F | 1987-04-03 |

| 10025 | 1958-10-31 | Prasadram | Heyers | M | 1987-08-17 |

| 10033 | 1956-11-14 | Arif | Merlo | M | 1987-03-18 |

| 10058 | 1954-10-01 | Berhard | McFarlin | M | 1987-04-13 |

| 10060 | 1961-10-15 | Breannda | Billingsley | M | 1987-11-02 |

| 10067 | 1953-01-07 | Claudi | Stavenow | M | 1987-03-04 |

| 10068 | 1962-11-26 | Charlene | Brattka | M | 1987-08-07 |

| 10071 | 1958-01-21 | Hisao | Lipner | M | 1987-10-01 |

| 10075 | 1960-03-09 | Gao | Dolinsky | F | 1987-03-19 |

| 10078 | 1959-12-25 | Danel | Mondadori | F | 1987-05-26 |

| 10083 | 1959-07-23 | Vishv | Zockler | M | 1987-03-31 |

| 10094 | 1957-05-25 | Arumugam | Ossenbruggen | F | 1987-04-18 |

| 10100 | 1953-04-21 | Hironobu | Haraldson | F | 1987-09-21 |

+--------+------------+------------+--------------+--------+------------+

15 rows in set, 2 warnings (0.00 sec)

mysql> select \* from employees where hire\_date like '%1987%' AND birth\_date >= '

1960';

+--------+------------+------------+-------------+--------+------------+

| emp\_no | birth\_date | first\_name | last\_name | gender | hire\_date |

+--------+------------+------------+-------------+--------+------------+

| 10060 | 1961-10-15 | Breannda | Billingsley | M | 1987-11-02 |

| 10068 | 1962-11-26 | Charlene | Brattka | M | 1987-08-07 |

| 10075 | 1960-03-09 | Gao | Dolinsky | F | 1987-03-19 |

+--------+------------+------------+-------------+--------+------------+

3 rows in set, 2 warnings (0.00 sec)

mysql>