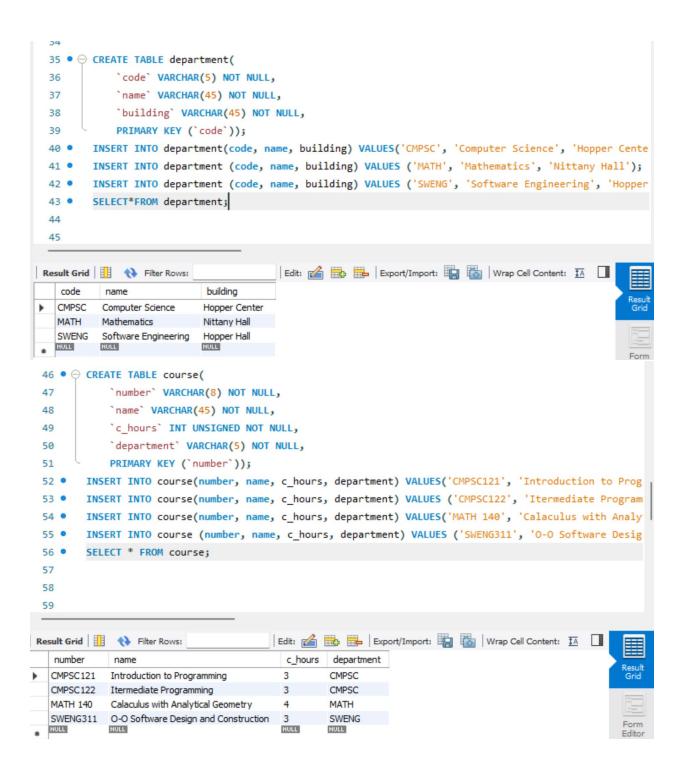
```
4 • ⊖ create table `student` (
            'sid' INT UNSIGNED NOT NULL auto increment,
            `name` VARCHAR(45) NOT NULL,
 6
 7
            'class_rank' VARCHAR(2) NOT NULL,
 8
            `major` VARCHAR(5) NOT NULL,
            'advisor' INT UNSIGNED NOT NULL,
            PRIMARY KEY ('sid'),
10
            UNIQUE INDEX 'sid_UNIQUE' ('sid' ASC) visible);
11
        insert into student (sid, name, class rank, major, advisor) values (17352, 'John Smith', 'SR',
12 •
        insert into student (sid, name, class_rank, major, advisor) values (19407, 'Prashant Kumar', 'J
13 •
        insert into student (sid, name, class_rank, major, advisor) values (22458, 'Rene Lopez', 'SO',
14 •
        insert into student (sid, name, class_rank, major, advisor) values (24357, 'Rachel Adams', 'FF
15 •
        insert into student (sid, name, class rank, major, advisor) values (27783, 'Julia Zhao', 'FR',
        select * from student;
17 •
18
                                        Edit: 🍊 🖶 🖶 Export/Import: 🗓 🐻 Wrap Cell Content: 🏗 🔲
tesult Grid Filter Rows:
         name
                       class_rank
                                        advisor
                                major
  17352
        John Smith
                      SR
                                SWENG
                                        1186
  19407 Prashant Kumar
                      1R
                                CMPSC
                                       3572
  22458 Rene Lopez
                      SO
                                SWENG
                                       2842
                      FR
                                CMPSC
                                       4235
  24357 Rachel Adams
  27783
        Julia Zhao
                                SWENG
                                       3983
                      NULL
        NULL
                               NULL
                                       NULL
  21 ● ⊖ CREATE TABLE faculty (
  22
               'fid' INT UNSIGNED NOT NULL auto increment,
  23
              'name' VARCHAR(45) NOT NULL,
              'department' VARCHAR(5) NOT NULL,
   24
   25
              PRIMARY KEY ('fid'),
              UNIQUE INDEX 'fid UNIQUE' ('fid'ASC)visible);
   26
          INSERT INTO faculty(fid, name, department) VALUES (2469, 'Huei Chuang', 'CMPSC');
   27 •
          INSERT INTO faculty(fid, name, department) VALUES (5368, 'Christopher Johnson', 'MATH');
   28 •
          INSERT INTO faculty(fid, name, department) VALUES (6721, 'Sanjay Gupta', 'SWENG');
   29 •
          INSERT INTO faculty(fid, name, department) VALUES (7497, 'Martha Simons', 'SWENG');
  30 •
          SELECT * FROM faculty;
  31 •
  32
   33
                                           Edit: 🍊 📆 🖺 Export/Import: 🗓 🐻 Wrap Cell Content: 🏗 🔲
 Result Grid Filter Rows:
     fid
                            department
          Huei Chuang
                            CMPSC
    2469
    5368
         Christopher Johnson
                           MATH
    6721
          Sanjay Gupta
                            SWENG
    7497
          Martha Simons
                            SWENG
                           NULL
   NULL
```



```
61 • ⊖ CREATE TABLE section(
            'secid' INT UNSIGNED NOT NULL auto increment,
 62
            `cnum` VARCHAR(45) NOT NULL,
 63
            `semester` VARCHAR(6) NOT NULL,
 64
 65
            'syear' YEAR NOT NULL,
            PRIMARY KEY ('secid'),
 66
            UNIQUE INDEX `secid_UNIQUE`(`secid` ASC) visible);
 67
        INSERT INTO section(secid, cnum, semester, syear)VALUES(044592, 'CMPSC121', 'Fall', 2017);
 68 •
        INSERT INTO section (secid, cnum, semester, syear) VALUES (046879, 'MATH140', 'Fall', 2017);
 69 •
        INSERT INTO section (secid, cnum, semester, syear) VALUES (059834, 'CMPSC122', 'Sprint', 2018)
 70 •
        INSERT INTO section (secid, cnum, semester, syear) VALUES(071840, 'MATH140', 'Spring', 2018);
 71 •
 72 •
        INSERT INTO section (secid, cnum, semester, syear) VALUES(063256, 'CMPSC121', 'Fall', 2018);
        INSERT INTO section (secid, cnum, semester, syear) VALUES (063593, 'SWENG311', 'Fall', 2018);
 73 •
 74 •
        SELECT*FROM section;
 75
                                      Edit: 🚄 🖶 Export/Import: 🙀 🐻 Wrap Cell Content: 🔼 🔲
semester syear
   secid
         cnum
  44592
         CMPSC121
                            2017
                            2017
   46879
         MATH140
                  Fall
   59834
         CMPSC122
                  Sprint
                             2018
   63256
        CMPSC121
                  Fall
                            2018
   63593
         SWENG311 Fall
                            2018
   71840
         MATH140
                  Spring
                            2018
NULL
 76 • ○ CREATE TABLE transcript (
             `sid` INT UNSIGNED NOT NULL,
 77
              'secid' INT UNSIGNED NOT NULL,
 78
             'grade' CHAR NULL);
 79
 80 0
         INSERT INTO transcript(sid, secid, grade) VALUES(22458,044592, 'A');
         INSERT INTO transcript(sid, secid, grade) VALUES (22458, 046879, 'B');
 81 •
         INSERT INTO transcript(sid, secid, grade) VALUES (22458, 059834, 'A');
 82 •
         INSERT INTO transcript(sid, secid, grade) VALUES (22458, 063256, 'C');
 83 •
         INSERT INTO transcript(sid, secid, grade) VALUES(24356, 061340, 'A');
 84 •
 85 •
         INSERT INTO transcript(sid, secid, grade) VALUES(24356, 063256, 'B');
 86 •
         SELECT* FROM transcript;
                                            Export: Wrap Cell Content: 1A
Result Grid Filter Rows:
   sid
           secid
                  grade
   22458
          44592
   22458
          46879
                 В
   22458
          59834
                 A
   22458 63256 C
   24356
          61340
                 Δ
  24356 63256
               В
```