

- 1) Retrieve the list of all courses and grades of "Smith".
- 2) List the names of students who took the section of 'Database' course offered in fall 2008 and their grades in that section.
- 3) List the prerequisites of the 'Database' course.
- 4) Create a view to retrieve the names of all senior students majoring in 'CS' (computer science).
- 5) Retrieve the names of all courses taught by Professor King in 2007 and 2008.
- 6) For each section taught by Professor King, retrieve the course number, semester, year, and number of students who took the section.
- 7) Retrieve the name and transcript of each senior student (Class=2) majoring in CS. A transcript includes course name, course number, credit hours, semester, year and grade for each course completed by the student.
- 8) Write SQL update statements to do the following on the database schema.
  - a) Insert a new student, < 'Johnson', 25, 1, 'Math' >, in the database.
  - b) Change the class of student 'Smith' to 2.
  - c) Insert a new course, < 'Knowledge Engineering', 'CS4390', 3, 'CS' >.
  - d) Delete the record for the student whose name is 'Smith' and whose student number is 17.