**A:04**

1. Provide an alphabetical list of the full name and phone number of all students that work for 'Baxxon Corp.' (the full name should be displayed as one column with an alias of 'Student Name').

**SELECT first\_name||' '||last\_name AS "Student Name", phone**

**FROM student**

**WHERE employer = 'Baxxon Corp.'**

**ORDER BY FIRST\_NAME;**

1. Provide a list of student employers that are corporations (have "Corp" in their name). List each employer only once and arrange the list alphabetical order.

**SELECT DISTINCT employer**

**FROM student**

**WHERE INSTR(employer, 'Corp') >= 1**

**ORDER BY employer;**

1. Provide an alphabetical list of students in area code 203. List student name in the format , . ( Example, LOCKE, J. ) followed by the phone number.

**SELECT last\_name||', '||SUBSTR(last\_name, 1, 1) AS "Student Name"**

**FROM student**

**WHERE SUBSTR(phone, 1, 3) = '203'**

**ORDER BY last\_name;**

1. List the name and address of all students without a phone number.

**SELECT first\_name||' '||last\_name AS "Student Name", street\_address**

**FROM student**

**WHERE phone IS NULL**

**ORDER BY last\_name;**

1. Provide a list of zip codes for New York, NY.

**SELECT zip**

**FROM zipcode**

**WHERE city = 'New York'**

**AND state = 'NY'**

**ORDER BY zip;**

1. List the course number and location for all courses taught in building 'M'.

**SELECT course\_no, location**

**FROM section**

**WHERE location LIKE 'M%'**

**ORDER BY course\_no;**

1. Provide a list of cities, state abbreviations and full state names from the zip code table for MA, CT and WV. (You'll need to use the CASE expression).

**SELECT city, state,**

**CASE WHEN state = 'CT' THEN 'Connecticut'**

**WHEN state = 'MA' THEN 'Massachusetts'**

**WHEN state = 'WV' THEN 'West Virginia'**

**END "Full State Name"**

**FROM zipcode**

**WHERE state = 'MA'**

**OR state = 'CT'**

**OR state = 'WV'**

**ORDER BY state;**

1. Create a listing containing single column address (salutation, first name, last name, address, zip) as 'Instructor Address' for each instructor in zip code 10025.

**SELECT salutation||' '||**

**first\_name||' '||**

**last\_name||' '||**

**street\_address||' '||**

**zip**

**AS "Instructor Address"**

**FROM instructor**

**WHERE zip = '10025'**

**ORDER BY last\_name;**

1. List the student id and final exam score for each student in section 87. List the scores from highest to lowest.

**SELECT student\_id, numeric\_grade**

**FROM grade**

**WHERE section\_id = 87**

**AND grade\_type\_code = 'FI'**

**ORDER BY numeric\_grade DESC;**

1. List the student ID, final exam (grade type code FI) score and exam result ('PASS' or 'FAIL') for all students in section 103. A final score of 85 or higher is required to pass.

**SELECT student\_id AS "Student ID", numeric\_grade AS "Final Exam",**

**CASE WHEN numeric\_grade >= 85 THEN 'PASS'**

**ELSE 'FAIL'**

**END "Exam Result"**

**FROM grade**

**WHERE section\_id = 103**

**AND grade\_type\_code = 'FI'**

**ORDER BY numeric\_grade DESC;**