**Chapter 7 - Review Questions**

**1. Write the SQL code that will create the table structure for a table named EMP\_1. This table is a subset of the EMPLOYEE table. The basic EMP\_1 table structure is summarized in the table below. (Note that the JOB\_CODE is the FK to JOB.)**

* The following code will create the table structure for the table named EMP\_1.

CREATE TABLE EMP\_1 (

EMP\_NUM CHAR(3) PRIMARY KEY,

EMP\_LNAME VARCHAR(15) NOT NULL,

EMP\_FNAME VARCHAR(15) NOT NULL,

EMP\_INITIAL CHAR(1),

EMP\_HIREDATE DATE,

JOB\_CODE CHAR(3),

FOREIGN KEY (JOB\_CODE) REFERENCES JOB);

**2. Having created the table structure in Question 1, write the SQL code to enter the first two rows for the table shown in Figure Q7.2.**

* The following code will enter the first two rows for the table in figure Q7.2.

INSERT INTO EMP\_1 VALUES (‘101’, ‘News’, ‘John’, ‘G’, ’08-Nov-00’, ‘502’);

INSERT INTO EMP\_1 VALUES (‘102’, ‘Senior’, ‘David’, ‘H’, ’12-Jul-89’, ‘501’);

1. **Assuming the data shown in the EMP\_1 table have been entered, write the SQL code that will list all attributes for a job code of 502.**
   * The following code will list all attributes for a job code of 502.

SELECT \*

FROM EMP\_1

WHERE JOB\_CODE = ‘502’;

**4. Write the SQL code that will save the changes made to the EMP\_1 table.**

* + The following code will save the changes made to the EMP\_1 table.

COMMIT;

1. **Write the SQL code to change the job code to 501 for the person whose employee number (EMP\_NUM) is 107. After you have completed the task, examine the results, and then reset the job code to its original value.**
   * + The following code will change the job code, then examine the results and finally reset the job code to its original value.

UPDATE EMP\_1

SET JOB\_CODE = ‘501’

WHERE EMP\_NUM = ‘107’;

To see the changes:

SELECT \*

FROM EMP\_1

WHERE EMP\_NUM = ‘107’;

To reset:

ROLLBACK;

**Chapter 7 – Problems**

**1. Write the SQL code that will list the values for the first four attributes in the CHARTER table.**

* The following code will list the values for the first four attributes in the CHARTER table.

SELECT CHARTER.CHAR\_TRIP, CHARTER.CHAR\_DATE, CHARTER.AC\_NUMBER,

CHARTER.CHAR\_DESTINATION

FROM CHARTER;