Mitch Meyer

Assignment 4.3

SQL Assignment

1. Create a table named EMP\_1

CREATE TABLE EMP\_1

(EMP\_NUM CHAR(3) NOT NULL UNIQUE,

EMP\_LNAME VARCHAR(15),

EMP\_FNAME VARCHAR(15),

EMP\_INITIAL CHAR(1),

EMP\_HIREDATE DATE,

JOB\_CODE CHAR(3),

CONSTRAINT EMP\_1\_PK PRIMARY KEY (EMP\_NUM),

CONSTRAINT EMP\_1\_FK1 FOREIGN KEY (JOB\_CODE) REFERENCES JOB(JOB\_CODE);

1. Write SQL code to populate table

INSERT INTO EMP\_1 (EMP\_NUM, EMP\_LNAME, EMP\_FNAME, EMP\_INITIAL, EMP\_HIREDATE, JOB\_CODE) VALUES (101, News, John, G, ’08-Nov-00’, 502);

INSERT INTO EMP\_1(EMP\_NUM, EMP\_LNAME, EMP\_FNAME, EMP\_INITIAL, EMP\_HIREDATE, JOB\_CODE) VALUES (102, Senior, David, H, ’12-Jul-89’, 501);

1. Write SQL code to list all attributes of job code 502.

SELECT \*

FROM JOB

WHERE (JOB\_CODE = 502);

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

COMMIT (EMP\_1);

1. Write the SQL code to change the job code to 501 for the person whose employee number is 107. After completed examine the results and reset the job code to its original value.

UPDATE EMP\_1

SET JOB\_CODE = 501

WHERE EMP\_NUM = 107;

SELECT JOB\_CODE

FROM EMP\_1

WHERE EMP\_NUM = 107;

ROLLBACK EMP\_1;