 --14  
SELECT    C.CUSTOMER\_NAME, P.DESCRIPTION  
FROM    CUSTOMER C INNER JOIN ORDERS O ON C.CUSTOMER\_NUM = O.CUSTOMER\_NUM  
        INNER JOIN ORDER\_LINE L ON O.ORDER\_NUM = L.ORDER\_NUM   
        INNER JOIN PART P ON L.PART\_NUM = P.PART\_NUM  
WHERE    C.CUSTOMER\_NAME LIKE 'JOHN%' AND  
        P.DESCRIPTION <> 'TREADMILL'  
          
CREATE    TABLE COURSE  
(  
    COURSEID INT NOT NULL,  
    COURSENAME VARCHAR(30)  
)  
  
CREATE    TABLE SECTION  
(  
    SECTIONID    INT NOT NULL,  
    COURSEID    INT NOT NULL,  
    ENROLLMENT    INT  
)  
  
CREATE    TABLE REGISTRATION  
(  
    SECTIONID    INT NOT NULL,  
    STUDENTID    INT NOT NULL,  
    GRADE        CHAR(2)  
)  
  
CREATE    TABLE STUDENT  
(  
    STUDENTID    INT NOT NULL,  
    STUDENTNAME    VARCHAR(50)  
)  
  
ALTER TABLE COURSE  
ADD    CONSTRAINT PK\_COURSE PRIMARY KEY (COURSEID)  
  
ALTER TABLE SECTION  
ADD CONSTRAINT PK\_SECTION PRIMARY KEY (SECTIONID)  
  
ALTER TABLE REGISTRATION   
ADD CONSTRAINT PK\_REGISTRAION PRIMARY KEY (SECTIONID, STUDENTID)  
  
ALTER TABLE STUDENT  
ADD CONSTRAINT PK\_STUDENT PRIMARY KEY (STUDENTID)  
  
ALTER TABLE SECTION  
ADD CONSTRAINT FK\_SECTION\_COURSE FOREIGN KEY (COURSEID) REFERENCES COURSE  
  
ALTER TABLE REGISTRATION  
ADD CONSTRAINT FK\_REGISTRAION\_SECTION FOREIGN KEY (SECTIONID) REFERENCES SECTION,  
    CONSTRAINT FK\_REGISTRAION\_STUDENT FOREIGN KEY (STUDENTID) REFERENCES STUDENT

**https://blackboard.louisville.edu/images/ci/icons/generic_updown.gifsql example feb 28**

--12  
SELECT    \*  
FROM    PART  
  
SELECT    P1.PART\_NUM, P2.PART\_NUM  
FROM    PART P1 INNER JOIN PART P2  
        ON P1.CLASS = P2.CLASS AND  
           P1.WAREHOUSE = P2.WAREHOUSE  
WHERE    P1.PART\_NUM < P2.PART\_NUM  
ORDER BY P1.PART\_NUM, P2.PART\_NUM  
  
--13  
  
--14  
  
--15  
  
--16  
  
--17  
  
--18  
SELECT    \*  
FROM    PART  
WHERE    PRICE > (SELECT MIN(PRICE) FROM PART WHERE CLASS = 'HW')  
          
--19  
SELECT    \*  
FROM    PART  
WHERE    PRICE > (SELECT MAX(PRICE) FROM PART WHERE CLASS = 'HW')  
  
UPDATE    PART  
SET        DESCRIPTION = 'CHAIN SAW'  
WHERE    PART\_NUM = 'AT94'  
  
UPDATE    PART  
SET        ON\_HAND = ON\_HAND - 5  
WHERE    CLASS = 'HW'  
  
SELECT    \*  
FROM    PART  
  
INSERT INTO PART VALUES('AAAA', 'EXAMPLE', 10, 'HW', 3, 29.95)  
  
INSERT INTO PART   
    (PART\_NUM, DESCRIPTION, ON\_HAND, CLASS, WAREHOUSE, PRICE)  
    VALUES('BBBB', 'EXAMPLE', 10, 'HW', 3, 29.95)  
  
INSERT INTO PART   
    (PART\_NUM, ON\_HAND, CLASS, WAREHOUSE, PRICE)  
    VALUES('CCCC', 10, 'HW', 3, 29.95)  
  
DELETE    FROM PART  
WHERE    PART\_NUM = 'BBBB' OR PART\_NUM = 'CCCC'  
  
SELECT    \* INTO TEMPPART  
FROM    PART  
WHERE    CLASS = 'HW'  
  
SELECT    \*  
FROM    TEMPPART  
  
INSERT INTO PART  
SELECT \* FROM TEMPPART

 https://blackboard.louisville.edu/images/ci/sets/set07/document_on.gif

**https://blackboard.louisville.edu/images/ci/icons/generic_updown.gifsql example feb 23**

--5  
SELECT    C.CUSTOMER\_NUM, C.CUSTOMER\_NAME  
FROM    CUSTOMER C  
WHERE    EXISTS   
        (SELECT    \*  
         FROM    ORDERS O  
         WHERE    O.CUSTOMER\_NUM = C.CUSTOMER\_NUM AND  
                O.ORDER\_DATE = '10/20/2008')