**Zachary Jones**

**COP 4710**

**25 January 2013**

**1-1a #############################################################################**

SQL> DESC rearp.Course

Name Null? Type

-------------------------------------------------------- ------------ ----------

COURSE\_NAME CHAR(20)

COURSE\_NUMBER NOT NULL CHAR(8)

CREDIT\_HOURS NUMBER(2)

OFFERING\_DEPT CHAR(4)

**1-1b ##############################################################################**

SQL> SELECT \* FROM rearp.Course;

COURSE\_NAME COURSE\_NUMBER CREDIT\_HOURS OFFERING\_DEP

---------------------------------- ----------------- ----------------- -----------

AMERICAN GOVERNMENT POLY2103 2 POLY

SOCIALISM AND COMMUN POLY4103 4 POLY

POLITICS OF CUBA POLY5501 4 POLY

TECHNICAL WRITING ENGL3402 2 ENGL

FUND. TECH. WRITING ENGL3401 3 ENGL

INTRO TO CHEMISTRY CHEM2001 3 CHEM

ORGANIC CHEMISTRY CHEM3001 3 CHEM

CALCULUS 2 MATH1502 3 MATH

CALCULUS 3 MATH1503 3 MATH

Math Analysis MATH5501 3 MATH

32 rows selected.

**1-2a ##############################################################################**

SQL> CREATE SYNONYM Student for rearp.Student;

Synonym created.

**1-2b ##############################################################################**

SQL> DESC Student

Name Null? Type

--------------------------------- ----------- ------------------------------------

STNO NOT NULL NUMBER(3)

SNAME VARCHAR2(20)

MAJOR CHAR(4)

CLASS NUMBER(1)

BDATE DATE

**1-2c ##############################################################################**

STNO SNAME MAJOR CLASS BDATE

----------- ---------------------- ----------- ----------- ---------------

31 Jake COSC 4 12-FEB-78

151 Losmith CHEM 3 15-JAN-81

153 Genevieve UNKN 15-OCT-79

155 Lindsay UNKN 1 15-OCT-79

157 Stephanie MATH 16-APR-81

158 Thornton 15-OCT-79

163 Lionel 15-OCT-79

161 Benny CHEM 4 10-JUN-80

160 Gus ART 3 15-OCT-78

5 Zelda COSC 12-FEB-78

7 Mario MATH 12-AUG-80

9 Romona ENGL 15-APR-80

6 Ken POLY 15-JUL-80

88 Smith 15-OCT-79

191 Jake MATH 2 10-JUN-80

48 rows selected.

**1-3a ##############################################################################**

SQL> CREATE SYNONYM Course FOR rearp.Course;

Synonym created.

SQL> CREATE SYNONYM Section for rearp.Section;

Synonym created.

SQL> CREATE SYNONYM Prereq FOR rearp.Prereq;

Synonym created.

SQL> CREATE SYNONYM GradeReport for rearp.GradeReport;

Synonym created.

SQL> CREATE SYNONYM Department\_Major for rearp.Department\_to\_Major;

Synonym created.

SQL> CREATE SYNONYM Room for rearp.Room;

Synonym created.

**1-3b ##############################################################################**

SQL> DESC Course;

Name Null? Type

---------------------- ----------- ------------------------------------------------

COURSE\_NAME CHAR(20)

COURSE\_NUMBER NOT NULL CHAR(8)

CREDIT\_HOURS NUMBER(2)

OFFERING\_DEPT CHAR(4)

SQL> DESC Section;

Name Null? Type

---------------------- ----------- ------------------------------------------------

SECTION\_ID NOT NULL NUMBER(6)

COURSE\_NUM CHAR(8)

SEMESTER VARCHAR2(6)

YEAR CHAR(2)

INSTRUCTOR CHAR(10)

BLDG NUMBER(3)

ROOM NUMBER(3)

SQL> DESC Prereq;

Name Null? Type

---------------------- ----------- ------------------------------------------------

COURSE\_NUMBER NOT NULL CHAR(8)

PREREQ NOT NULL CHAR(8)

SQL> DESC Grade\_Report;

Name Null? Type

---------------------- ----------- ------------------------------------------------

STUDENT\_NUMBER NOT NULL NUMBER(3)

SECTION\_ID NOT NULL NUMBER(6)

GRADE CHAR(1)

SQL> DESC Department\_Major;

Name Null? Type

---------------------- ----------- ------------------------------------------------

DCODE NOT NULL CHAR(4)

DNAME CHAR(20)

SQL> DESC Room;

Name Null? Type

---------------------- ----------- ------------------------------------------------

BLDG NOT NULL NUMBER(3)

ROOM NOT NULL NUMBER(3)

CAPACITY NUMBER(4)

OHEAD CHAR(1)

**1-3c ##############################################################################**

SQL> SELECT \* FROM Course WHERE rownum < 5;

COURSE\_NAME COURSE\_NUMBER CREDIT\_HOURS OFFERING\_DEP

-----------------------------------------------------------------------------------

ACCOUNTING I ACCT2020 3 ACCT

ACCOUNTING II ACCT2220 3 ACCT

MANAGERIAL FINANCE ACCT3333 3 ACCT

ACCOUNTING INFO SYST ACCT3464 3 ACCT

SQL> SELECT \* FROM Section WHERE rownum < 5;

SECTION\_ID COURSE\_NUM SEMESTER YEAR INSTRUCTOR BLDG ROOM

-----------------------------------------------------------------------------------

85 MATH2410 FALL 98 KING 36 123

86 MATH5501 FALL 98 EMERSON 36 123

87 ENGL3401 FALL 98 HILLARY 13 101

88 ENGL3520 FALL 99 HILLARY 13 101

SQL> SELECT \* FROM Prereq WHERE rownum < 5;

COURSE\_NUMBER PREREQ

--------------------------------------------

ACCT3333 ACCT2220

CHEM3001 CHEM2001

COSC3320 COSC1310

COSC3380 COSC3320

SQL> SELECT \* FROM Grade\_Report WHERE rownum < 5;

STUDENT\_NUMBER SECTION\_ID GRA

----------------------------------

2 85 D

2 102 B

2 126 B

2 127 A

SQL> SELECT \* FROM Department\_Major WHERE rownum < 5;

DCODE DNAME

----------------------------

ACCT Accounting

ART Art

COSC Computer Science

ENGL English

SQL> SELECT \* FROM Room WHERE rownum < 5;

BLDG ROOM CAPACITY OHE

---------- ---------- ---------- ---

13 101 85 Y

36 123 35 N

58 114 60

79 179 35 Y

**1-4a ##############################################################################**

SQL> SELECT \* FROM Prereq;

COURSE\_NUMBER PREREQ

-----------------------------

ACCT3333 ACCT2220

CHEM3001 CHEM2001

COSC3320 COSC1310

COSC3380 COSC3320

COSC3380 MATH2410

COSC5234 COSC3320

ENGL1011 ENGL1010

ENGL3401 ENGL1011

ENGL3520 ENGL1011

MATH5501 MATH2333

POLY2103 POLY1201

POLY5501 POLY4103

12 rows selected.

**1-4b ##############################################################################**

SQL> c /Prereq/Course

1\* SELECT \* FROM Course

SQL> /

COURSE\_NAME COURSE\_NUMBER CREDIT\_HOURS OFFERING\_DEP

-----------------------------------------------------------------------

ACCOUNTING I ACCT2020 3 ACCT

ACCOUNTING II ACCT2220 3 ACCT

MANAGERIAL FINANCE ACCT3333 3 ACCT

ACCOUNTING INFO SYST ACCT3464 3 ACCT

INTRO TO COMPUTER SC COSC1310 4 COSC

TURBO PASCAL COSC2025 3 COSC

ADVANCED COBOL COSC2303 3 COSC

DATA STRUCTURES COSC3320 4 COSC

DATABASE COSC3380 3 COSC

[...]

32 rows selected.

**1-4c ##############################################################################**

SQL> LIST

1\* SELECT \* FROM Course

SQL> INPUT

2 WHERE offering\_dept = 'COSC'

3

SQL> LIST

1 SELECT \* FROM Course

2\* WHERE offering\_dept = 'COSC'

SQL> /

COURSE\_NAME COURSE\_NUMBER CREDIT\_HOURS OFFERING\_DEP

------------------------------------------------------------------------

INTRO TO COMPUTER SC COSC1310 4 COSC

TURBO PASCAL COSC2025 3 COSC

ADVANCED COBOL COSC2303 3 COSC

DATA STRUCTURES COSC3320 4 COSC

DATABASE COSC3380 3 COSC

OPERATIONS RESEARCH COSC3701 3 COSC

[...]

10 rows selected.

**1-4d ##############################################################################**

SQL> LIST

1 SELECT \* FROM Course

2\* WHERE offering\_dept = 'COSC'

SQL> 1 SELECT course\_name FROM Course

SQL> LIST

1 SELECT course\_name FROM Course

2\* WHERE offering\_dept = 'COSC'

SQL>

**1-4e ##############################################################################**

SQL> LIST

1 SELECT course\_name FROM Course

2\* WHERE offering\_dept = 'COSC'

SQL> DEL 2

SQL> LIST

1\* SELECT course\_name FROM Course

SQL> /

COURSE\_NAME

------------------------------------------------------------

ACCOUNTING I

ACCOUNTING II

MANAGERIAL FINANCE

ACCOUNTING INFO SYST

INTRO TO COMPUTER SC

TURBO PASCAL

ADVANCED COBOL

DATA STRUCTURES

DATABASE

OPERATIONS RESEARCH

ADVANCED ASSEMBLER

COURSE\_NAME

------------------------------------------------------------

SYSTEM PROJECT

ADA - INTRODUCTION

NETWORKS

ENGLISH COMP I

ENGLISH COMP II

WRITING FOR NON MAJO

ALGEBRA

DISCRETE MATHEMATICS

CALCULUS 1

AMERICAN CONSTITUTIO

INTRO TO POLITICAL S

COURSE\_NAME

------------------------------------------------------------

AMERICAN GOVERNMENT

SOCIALISM AND COMMUN

POLITICS OF CUBA

TECHNICAL WRITING

FUND. TECH. WRITING

INTRO TO CHEMISTRY

ORGANIC CHEMISTRY

CALCULUS 2

CALCULUS 3

Math Analysis

32 rows selected.

**1-4f ##############################################################################**

SQL> LIST

1\* SELECT course\_name FROM Course

SQL> INPUT

2 WHERE offering\_dept = 'MATH'

3

SQL> LIST

1 SELECT course\_name FROM Course

2\* WHERE offering\_dept = 'MATH'

SQL> /

COURSE\_NAME

------------------------------------------------------------

ALGEBRA

DISCRETE MATHEMATICS

CALCULUS 1

CALCULUS 2

CALCULUS 3

Math Analysis

6 rows selected.

**1-5a ##############################################################################**

SQL> SELECT sysdate, user FROM dual;

SYSDATE USER

-------------------------

24-JAN-13 ZJONE

**1-5b ##############################################################################**

SQL> SELECT TO\_CHAR (sysdate, 'dd-Mon-yyyy hh24:mm:ss') FROM dual;

TO\_CHAR(SYSDATE,'DD-MON-YYYYHH24:MM:SS')

------------------------------------------------------------

24-Jan-2013 11:01:34