SHOW user

SELECT \* FROM tab;

CREATE USER <myUser>

IDENTIFIED BY <myPass>

DEFAULT TABLESPACE <tablespace\_name>

TEMPORARY TABLESPACE <talbespace\_name>

QUOTA UNLIMITED ON <tablespace\_name>;

CREATE USER ucs2

IDENTIFIED BY p123

DEFAULT TABLESPACE users

TEMPORARY TABLESPACE temp

QUOTA UNLIMITED ON users;

//ให สิทธิ์

GRANT resource, connect To ucs2;

GRANT <prib/rol> TO <myUser>

//create file

CREATE TABLE dogFam(

dogID CHAR(3),

dogName VARCHAR2(20));

SET linesize 120

DESC dogFam

#lab 2

CREATE TABLE Student (

StdID CHAR(11),

StdFName VARCHAR2(40),

StdLname VARCHAR2(40),

StdAddress VARCHAR2(80),

FCode CHAR(3),

DCode CHAR(3),

CONSTRAINTS std\_pk PRIMARY KEY(StdID),

CONSTRAINTS std\_fk\_fact FOREIGN KEY(FCode)

REFERENCES Fact(FCode),

CONSTRAINTS std\_fk\_dept FOREIGN KEY(FCode, DCode)

REFERENCES Dept(FCode, DCode)

);

CREATE TABLE Fact (

FCode CHAR(3) ,

FName\_Tha VARCHAR2(80),

FName\_Eng VARCHAR2(80),

CONSTRAINTS fact\_pk

PRIMARY KEY(FCode)

);

CREATE TABLE Dept (

FCode CHAR(3),

DCode CHAR(3),

DName\_Tha VARCHAR2(80),

DName\_Eng VARCHAR2(80),

CONSTRAINTS dept\_pk

PRIMARY KEY(DCode, FCode),

CONSTRAINTS dept\_fk\_fact FOREIGN KEY(FCode)

REFERENCES Fact(FCode)

);

----

INSERT INTO <tableName>(col2\_name, col1\_name)

VALUES('col2\_val', col1\_val);

INSERT INTO <tableName> VALUES(col1\_val, 'col2\_val');

INSERT INTO Loc VALUES('L01', 'SC.06');

INSERT INTO Loc(LName, LID)

VALUES('SC.09', 'L02');

----

INSERT INTO Fact VALUES('F01', 'คณะวิทยาศาสตร์ ', 'Science');

INSERT INTO Fact VALUES('F02', 'คณะวิศวกรรมศาสตร์ ', 'Engineer');

INSERT INTO Fact VALUES('F03', 'คณะเทคโนโลยี ', 'Technology');

INSERT INTO Fact VALUES('F04', 'คณะมนุษยศาสตร์และสังคมศาสตร์ ', 'Humanities and Social Sciences');

INSERT INTO Fact VALUES('F05', 'คณะศึกษาศาสตร์ ', 'Education');

DELETE FROM Fact WHERE Fcode = 'F01';

DELETE FROM Fact WHERE Fcode = 'F02';

DELETE FROM Fact WHERE Fcode = 'F03';

DELETE FROM Fact WHERE Fcode = 'F04';

DELETE FROM Fact WHERE Fcode = 'F05';

INSERT INTO Dept VALUES('F01', 'D01', 'คณิตศาสตร์', 'Mathematics');

INSERT INTO Dept VALUES('F01', 'D02', 'สถิติ' , 'Statistics');

INSERT INTO Dept VALUES('F01', 'D03', 'วิทยาการคอมพิวเตอร์', 'Computer Science');

INSERT INTO Dept VALUES('F02', 'D01', 'วิศวกรรมคอมพิวเตอร์', 'Computer Engineer');

INSERT INTO Dept VALUES('F03', 'D01', 'เทคโนโลยีการอาหาร', 'Food Technology');

DELETE FROM Dept WHERE Fcode = 'F01';

DELETE FROM Dept WHERE Fcode = 'F02';

DELETE FROM Dept WHERE Fcode = 'F03';

DELETE FROM Dept WHERE Fcode = 'F04';

DELETE FROM Dept WHERE Fcode = 'F05';

INSERT INTO Student VALUES('623021039-4', 'อัยยะ', 'บุ้งทอง', '123', 'F01', 'D01' );

INSERT INTO Student VALUES('623021039-5', 'อัยยะ', 'บุ้งทอง', '123', 'F01', 'D03' );

INSERT INTO Student VALUES('623021039-6', 'อัยยะ', 'บุ้งทอง', '123', 'F01', 'D03' );

INSERT INTO Student VALUES('623021039-7', 'อัยยะ', 'บุ้งทอง', '123', 'F01', 'D03' );

DELETE FROM Student WHERE StdID = '623021039-4';

DELETE FROM Student WHERE StdID = '623021039-5';

DELETE FROM Student WHERE StdID = '623021039-6';

DELETE FROM Student WHERE StdID = '623021039-7';

#lab 3

--LAB 4 1

CREATE VIEW LAB4\_Student

AS

SELECT STDID, STDFNAME, STDLNAME, STDADDRESS

FROM STUDENT

ORDER BY STDID;

--LAB 4 2

CREATE VIEW LAB4\_Subject

AS

SELECT SUBJCODE, NAME\_THA, CREDIT

FROM SUBJECT

ORDER BY NAME\_THA;

--LAB 4 3

CREATE VIEW LAB4\_Fact

AS

SELECT STUDENT.STDID, STUDENT.STDFNAME, STUDENT.STDLNAME, FACT.FNAME\_THA, FACT.FNAME\_ENG

FROM STUDENT, FACT

WHERE STUDENT.FCODE = FACT.FCODE

ORDER BY FACT.FCODE;

--LAB 4 4

CREATE VIEW LAB4\_Adviser

AS

SELECT STUDENT.STDID, STUDENT.STDFNAME, STUDENT.STDLNAME, TEACHER.TFNAME, TEACHER.TLNAME

FROM STUDENT, TEACHER

WHERE STUDENT.TCODE = TEACHER.TCODE

ORDER BY TEACHER.TFNAME;

--LAB 4 5

CREATE VIEW LAB4\_REG\_322212

AS

SELECT SUBJECT.SUBJCODE, SUBJECT.NAME\_THA, STUDENT.STDID, STUDENT.STDFNAME, STUDENT.STDLNAME, REGISTER.GRADE

FROM SUBJECT, STUDENT, REGISTER

WHERE REGISTER.SUBJCODE = '322212' AND

SUBJECT.SUBJCODE = REGISTER.SUBJCODE AND

REGISTER.STDID = STUDENT.STDID

ORDER BY STUDENT.STDFNAME;

commit;

#lab 5

--Lab 5 1

CREATE VIEW LAB5\_Credit

AS

SELECT STDID, STDFNAME, STDLNAME, SUM(CREDIT) TotalCredit

FROM(

SELECT STU.STDID, STU.STDFNAME, STU.STDLNAME, SUB.CREDIT

FROM STUDENT STU

INNER JOIN REGISTER REG ON REG.STDID = STU.STDID

INNER JOIN SUBJECT SUB ON SUB.SUBJCODE = REG.SUBJCODE)

GROUP BY STDID, STDFNAME, STDLNAME

ORDER BY STDID;

--Lab 5 2

CREATE VIEW LAB5\_RegFee

AS

SELECT STDID, STDFNAME, STDLNAME, YEAR, SEMESTER, SUM(CREDIT) TotalCredit, SUM(CREDIT) \* 1000 REGFEE

FROM(

SELECT STU.STDID, STU.STDFNAME, STU.STDLNAME, REG.YEAR, REG.SEMESTER, SUB.CREDIT

FROM STUDENT STU

INNER JOIN REGISTER REG ON REG.STDID = STU.STDID

INNER JOIN SUBJECT SUB ON SUB.SUBJCODE = REG.SUBJCODE)

GROUP BY STDID, STDFNAME, STDLNAME, YEAR, SEMESTER

ORDER BY STDID;

--Lab 5 3

CREATE VIEW LAB5\_GPA

AS

SELECT STDID, STDFNAME, STDLNAME, SUM( CREDIT \* GRADE) / SUM(CREDIT) GPA

FROM(

SELECT STU.STDID, STU.STDFNAME, STU.STDLNAME, SUB.CREDIT, REG.GRADE

FROM STUDENT STU

INNER JOIN REGISTER REG ON REG.STDID = STU.STDID

INNER JOIN SUBJECT SUB ON SUB.SUBJCODE = REG.SUBJCODE)

GROUP BY STDID, STDFNAME, STDLNAME

ORDER BY GPA;

--LAB 5 4 เพิ่มข้อมูลนักศึกษา

INSERT INTO STUDENT (STDID, STDFNAME, STDLNAME, STDADDRESS, FCODE, DCODE, TCODE)

VALUES('563020197-5', 'กฤษดา', 'โสมายัง', '123 จ.ขอนแก่น', 'F01', 'D03', 'T01');

INSERT INTO STUDENT (STDID, STDFNAME, STDLNAME, STDADDRESS, FCODE, DCODE, TCODE)

VALUES('563020200-2', 'ขวัญข้าว', 'เสียงเลิศ', '11 จ.ขอนแก่น', 'F01', 'D03', NULL);

INSERT INTO STUDENT (STDID, STDFNAME, STDLNAME, STDADDRESS, FCODE, DCODE, TCODE)

VALUES('563020205-2', 'ชนนิกา', 'ปัญจันทร์สิงห', '15 จ.ขอนแก่น', 'F01', 'D03', NULL);

INSERT INTO STUDENT (STDID, STDFNAME, STDLNAME, STDADDRESS, FCODE, DCODE, TCODE)

VALUES('563020206-0', 'ชนัญชิดา', 'อินทะสร้อย', '16 จ.ขอนแก่น', 'F01', 'D03', NULL);

--LAB 5 5

CREATE VIEW LAB5\_GPA\_Outer

AS

SELECT STDID, STDFNAME, STDLNAME, SUM( CREDIT \* GRADE) / SUM(CREDIT) GPA

FROM(

SELECT STU.STDID, STU.STDFNAME, STU.STDLNAME, SUB.CREDIT, REG.GRADE

FROM STUDENT STU

LEFT OUTER JOIN REGISTER REG ON REG.STDID = STU.STDID

LEFT OUTER JOIN SUBJECT SUB ON SUB.SUBJCODE = REG.SUBJCODE)

GROUP BY STDID, STDFNAME, STDLNAME

ORDER BY GPA;

--LAB 5 6

CREATE VIEW LAB5\_Teacher\_Outer

AS

SELECT STDID, STDFNAME, STDLNAME, TCODE , TFNAME, TLNAME

FROM(

SELECT STU.STDID, STU.STDFNAME, STU.STDLNAME, T.TCODE, T.TFNAME, T.TLNAME

FROM STUDENT STU

LEFT OUTER JOIN TEACHER T ON T.TCODE = STU.TCODE

)

ORDER BY TCODE;

CREATE TABLE Book(

BookID CHAR(3),

BookName VARCHAR2(200),

BookPrice NUMBER(6,2),

BookAmount NUMBER(3),

CONSTRAINT BookID\_pk PRIMARY KEY(BookID)

);

CREATE TABLE Borrow(

BorrowID NUMBER(4),

STDID CHAR(11),

BookID CHAR(3),

BorrowDate DATE,

ReturnDate DATE,

CONSTRAINT borrow\_pk PRIMARY KEY(BorrowID),

CONSTRAINT borrow\_fk\_std FOREIGN KEY(STDID)

REFERENCES STUDENT(STDID),

CONSTRAINT borrow\_fk\_book FOREIGN KEY(BookID)

REFERENCES Book(BookID)

);

INSERT INTO Book VALUES('B01', 'คู่มือเรียนการวิเคราะห์ระบบ' , 250, 10);

INSERT INTO Book VALUES('B02', 'คู่มือใช้งาน PowerPoint' , 200, 5);

INSERT INTO Book VALUES('B03', 'คู่มือใช้งาน Mac OS X' , 150, 6);

INSERT INTO Book VALUES('B04', 'Basic iOS App Development' , 233, 5);

INSERT INTO Book VALUES('B05', 'Professional ASP.NET Programming' , 200, 4);

INSERT INTO Book VALUES('B06', 'เรียน Database อย่างไรให้ไร้ F' , 99, 5);

INSERT INTO Borrow VALUES(1, '623021039-4' , 'B01', TO\_DATE('24/2/2015','DD/MM/YYYY'), TO\_DATE('25/2/2015','DD/MM/YYYY'));

INSERT INTO Borrow VALUES(2, '623021039-5' , 'B02', TO\_DATE('24/2/2015','DD/MM/YYYY'), TO\_DATE('25/2/2015','DD/MM/YYYY'));

INSERT INTO Borrow VALUES(3, '623021039-6' , 'B03', TO\_DATE('24/2/2015','DD/MM/YYYY'), TO\_DATE('25/2/2015','DD/MM/YYYY'));

INSERT INTO Borrow VALUES(4, '623021039-7' , 'B04', TO\_DATE('24/2/2015','DD/MM/YYYY'), TO\_DATE('25/2/2015','DD/MM/YYYY'));

INSERT INTO Borrow VALUES(5, '623021039-7' , 'B04', TO\_DATE('24/2/2015','DD/MM/YYYY'), TO\_DATE('24/2/2015','DD/MM/YYYY'));

INSERT INTO Borrow VALUES(6, '623021039-7' , 'B04', TO\_DATE('24/2/2015','DD/MM/YYYY'), TO\_DATE('24/2/2015','DD/MM/YYYY'));

INSERT INTO Borrow VALUES(7, '623021039-7' , 'B04', TO\_DATE('24/2/2015','DD/MM/YYYY'), TO\_DATE('24/2/2015','DD/MM/YYYY'));

INSERT INTO Borrow VALUES(8, '623021039-7' , 'B04', TO\_DATE('24/2/2015','DD/MM/YYYY'), TO\_DATE('24/2/2015','DD/MM/YYYY'));

INSERT INTO Borrow VALUES(9, '623021039-7' , 'B04', TO\_DATE('24/2/2015','DD/MM/YYYY'), TO\_DATE('24/2/2015','DD/MM/YYYY'));

INSERT INTO Borrow VALUES(10, '623021039-7' , 'B04', TO\_DATE('24/2/2015','DD/MM/YYYY'), TO\_DATE('24/2/2015','DD/MM/YYYY'));

INSERT INTO Borrow VALUES(11, '623021039-7' , 'B04', TO\_DATE('24/2/2015','DD/MM/YYYY'), TO\_DATE('24/2/2015','DD/MM/YYYY'));

INSERT INTO Borrow VALUES(12, '623021039-7' , 'B04', TO\_DATE('24/2/2015','DD/MM/YYYY'), TO\_DATE('24/2/2015','DD/MM/YYYY'));

INSERT INTO Borrow VALUES(13, '623021039-7' , 'B04', TO\_DATE('24/2/2015','DD/MM/YYYY'), TO\_DATE('24/2/2015','DD/MM/YYYY'));

INSERT INTO Borrow VALUES(14, '623021039-7' , 'B04', TO\_DATE('24/2/2015','DD/MM/YYYY'), TO\_DATE('24/2/2015','DD/MM/YYYY'));

CREATE VIEW LAB6\_BookPrice

AS

SELECT BOOKID, BOOKNAME, BOOKAMOUNT, BOOKPRICE, BOOKAMOUNT \* BOOKPRICE TotalPrice

FROM BOOK;

CREATE VIEW LAB6\_BorrowDetail

AS

SELECT STDID, STDFNAME, STDLNAME, BOOKNAME, BORROWDATE, RETURNDATE

FROM(

SELECT STU.STDID, STU.STDFNAME, STU.STDLNAME, B.BOOKNAME, BOR.BORROWDATE, BOR.RETURNDATE

FROM BORROW BOR

INNER JOIN STUDENT STU ON BOR.STDID = STU.STDID

INNER JOIN BOOK B on B.BOOKID = BOR.BOOKID

)

ORDER BY STDID,BORROWDATE ;

CREATE VIEW LAB6\_StudentBorrow

AS

SELECT STDID, STDFNAME, STDLNAME, COUNT(\*) Amount

FROM(

SELECT STU.STDID, STU.STDFNAME, STU.STDLNAME

FROM BORROW BOR

INNER JOIN STUDENT STU ON BOR.STDID = STU.STDID

)

GROUP BY STDID, STDFNAME, STDLNAME

ORDER BY STDFNAME ;

CREATE VIEW LAB6\_BookBorrow AS

SELECT BOOKID, BOOKNAME, COUNT(\*) - 1 Amount

FROM(

SELECT BOOKID, BOOKNAME

FROM BOOK

UNION ALL

SELECT BORROW.BOOKID, BOOK.BOOKNAME

FROM BORROW

INNER JOIN BOOK on BOOK.BOOKID = BORROW.BOOKID

)

GROUP BY BOOKID, BOOKNAME

ORDER BY BOOKID;