PAMANTASAN NG LUNGSOD NG MAYNILA

College of Information Systems and Technology Management

Object Oriented Programming (OOP)

DML & DDL (SQL)

A.Y. 2024- 2025

Submitted by:

Callangan, Moira C.

Dela Rosa, Pierre Andrei B.

Mulleno, Jeshaiah Mae A.

BSCS 2-1

Professor Francis Atienza

A. Roles and Privileges

Perform the below script for role and privileges creation:

1. CREATE ROLE plm_developers;
   GRANT CREATE SESSION TO plm_developers;
   GRANT UNLIMITED TABLESPACE TO plm_developers;
   GRANT CREATE ANY TABLE to plm_developers;
   GRANT CREATE ANY VIEW to plm_developers;
   GRANT CREATE SYNONYM to plm_developers;

   CREATE ROLE plm_testers;
   GRANT CREATE SESSION TO plm_testers;
   GRANT UNLIMITED TABLESPACE TO plm_testers;
   GRANT SELECT ANY TABLE to plm_testers;

2. Create 2 users (francis and jose) and assign the role plm_developers.

3. Create 2 users (maria and josefa) and assign the role plm_testers.

Script:

```
—- Perform the below script for role and privileges
creation:

CREATE ROLE plm_developers;

GRANT CREATE SESSION TO        plm_developers;
GRANT UNLIMITED TABLESPACE TO  plm_developers;
GRANT CREATE ANY TABLE to      plm_developers;
GRANT CREATE ANY VIEW to       plm_developers;
GRANT CREATE SYNONYM to        plm_developers;

CREATE ROLE plm_testers;

GRANT CREATE SESSION TO        plm_testers;
GRANT UNLIMITED TABLESPACE TO  plm_testers;
GRANT SELECT ANY TABLE to      plm_testers;

—- 2. Create 2 users (francis and jose) and assign the
role plm_developers.
—- 3. Create 2 users (maria and josefa) and assign the
role plm_testers.


CREATE USER francis IDENTIFIED BY    "cispass1";
CREATE USER jose IDENTIFIED BY        "jose123";
CREATE USER maria IDENTIFIED BY       "maria";
```

```
        CREATE USER josefa IDENTIFIED BY      "josefa";


     GRANT plm_developers TO  francis;
     GRANT plm_developers TO  jose;
     GRANT plm_testers TO     maria;
     GRANT plm_testers TO     josefa;
```

Outputs:

```
/*A. Roles and Privileges*/

/*Perform the below script for role and privileges creation:*/

CREATE ROLE plm_developers;

GRANT CREATE SESSION TO          plm_developers;
GRANT UNLIMITED TABLESPACE TO  plm_developers;
GRANT CREATE ANY TABLE to        plm_developers;
GRANT CREATE ANY VIEW to         plm_developers;
GRANT CREATE SYNONYM to          plm_developers;

CREATE ROLE plm_testers;

GRANT CREATE SESSION TO          plm_testers;
GRANT UNLIMITED TABLESPACE TO  plm_testers;
GRANT SELECT ANY TABLE to        plm_testers;

/*2. Create 2 users (francis and jose) and assign the role plm_de
/*3. Create 2 users (maria and josefa) and assign the role plm_te


CREATE USER francis IDENTIFIED BY     "cispassl";
CREATE USER jose IDENTIFIED BY        "jose123";
CREATE USER maria IDENTIFIED BY       "maria";
CREATE USER josefa IDENTIFIED BY      "josefa";


GRANT plm_developers TO  francis;
GRANT plm_developers TO  jose;
GRANT plm_testers TO     maria;
GRANT plm_testers TO     josefa;
```

B. Database and Table Creation

1. Create a user (PLM_INFO_SYSTEM) and assign the role plm_developers.

2. Under PLM_INFO_SYSTEM create the below tables:

   a. STUDENT (student_no (PK) Not Null
         , lastname Default ' '
         , firstname
         , address
         , email_address
         , gender Default 'M'
         , birthday
         , course_code (FK)
         , status Default 'A'
         , cellno Default ' '
         , cellno1)

   b. COURSE (college_code (PK) Not Null
         , description Default ' '
         , status Default 'A'
         , college_code(FK))

   c. COLLEGE (college_code (PK) Not Null
         , description Default ' '
         , status Default 'A')

   d. FACULTY (faculty_no (PK) Not Null
         , lastname Default ' '
         , firstname
         , address
         , email_address
         , gender Default 'M'
         , birthday
         , college_code (FK)
         , status Default 'A')

   e. SUBJECT (subject_code (PK) Not Null
         , description Not Null
         , units Not Null
         , lec_lab
         , college_code (FK)
         , status Default 'A')

3. Add a new column (status) in SUBJECT table

4. Delete the column cellno1 in STUDENT table

5. Change the column width of lastname and firstname to 200 characters.

Script:

```
-- 2. Under PLM_INFO_SYSTEM create the below tables:

CREATE TABLE STUDENT  (
        student_no          VARCHAR(10)        Not Null
      , lastname            VARCHAR(20)        Default ' '
      , firstname           VARCHAR(20)        Not Null
      , address             VARCHAR(100)       Default ' '
      , email_address       VARCHAR(50)        Default ' '
      , gender              VARCHAR(1)         Default 'M'
      , birthday            VARCHAR(20)        Default ' '
      , course_code         VARCHAR(10)        Not Null
      , status              VARCHAR(1)         Default 'A'
      , cellno              VARCHAR(20)        Default ' '
      , cellno1             VARCHAR(20)        Default ' '
      , CONSTRAINT pk_student PRIMARY KEY (student_no)
      , CONSTRAINT fk_course FOREIGN KEY (course_code)
        REFERENCES COURSE(course_code)
  );

CREATE TABLE COURSE  (
      course_code         VARCHAR(10)        Not Null
      , description         VARCHAR(100)       Default ' '
      , status              VARCHAR(1)         Default 'A'
      , college_code        VARCHAR(10)        Not Null
      , CONSTRAINT pk_course PRIMARY KEY (course_code)
      , CONSTRAINT fk_college1 FOREIGN KEY (college_code)
        REFERENCES COLLEGE(college_code)
  );

CREATE TABLE COLLEGE  (
        college_code        VARCHAR(10)        Not Null
      , description         VARCHAR(100)       Default ' '
      , status              VARCHAR(1)         Default 'A'
      , CONSTRAINT pk_college PRIMARY KEY (college_code)
  );

CREATE TABLE FACULTY (
        faculty_no          VARCHAR(20)        Not Null
      , lastname            VARCHAR(20)        Default ' '
      , firstname           VARCHAR(20)        Not Null
      , address             VARCHAR(100)       Default ' '
      , email_address       VARCHAR(50)        Default ' '
      , gender              VARCHAR(1)         Default 'M'
      , birthday            VARCHAR(20)        Default ' '
      , college_code        VARCHAR(10)        Not Null
      , status              VARCHAR(1)         Default 'A'
      , CONSTRAINT pk_faculty PRIMARY KEY (faculty_no)
      , CONSTRAINT fk_college FOREIGN KEY (college_code)
        REFERENCES COLLEGE(college_code)
  );

 CREATE TABLE SUBJECT (
        subject_code        VARCHAR(10)        Not Null
      , description         VARCHAR(100)       Not Null
```

```
              , units                  VARCHAR(10)        Not Null
              , lec_lab                VARCHAR(10)        Default ' '
              , college_code           VARCHAR(10)        Not Null
              , status                 VARCHAR(1)         Default 'A'
              , CONSTRAINT pk_subject PRIMARY KEY (subject_code)
              , CONSTRAINT fk_college2 FOREIGN KEY (college_code)
                REFERENCES COLLEGE(college_code)
          );

        -- Add a new column (status) in SUBJECT table

    ALTER TABLE SUBJECT DROP COLUMN status;

    ALTER TABLE SUBJECT ADD
        status              VARCHAR(1)        Default 'A';

    -- 4. Delete the column cellno1 in STUDENT table

    ALTER TABLE STUDENT DROP COLUMN cellno1;

    -- 5. Change the column width of lastname and firstname to 200
    characters.

    ALTER TABLE STUDENT MODIFY firstname VARCHAR(200);
    ALTER TABLE FACULTY MODIFY firstname VARCHAR(200);

    ALTER TABLE STUDENT MODIFY lastname VARCHAR(200);
    ALTER TABLE FACULTY MODIFY lastname VARCHAR(200);
```
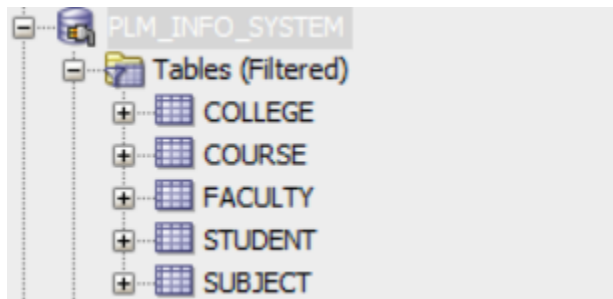
Outputs:


```
/*B. Database and table creation*/

/*1. Create a user (PLM_INFO_SYSTEM) and assign the role plm_developers.*/

CREATE USER PLM_INFO_SYSTEM IDENTIFIED BY    "plminfosystem";
GRANT plm_developers TO                      PLM_INFO_SYSTEM;

GRANT UNLIMITED TABLESPACE TO                PLM_INFO_SYSTEM;
GRANT CREATE ANY TABLE to                    PLM_INFO_SYSTEM;
```

```sql
/*2. Under PLM_INFO_SYSTEM create the below tables:*/

CREATE TABLE STUDENT  (
    student_no          VARCHAR(10)     Not Null
  , lastname            VARCHAR(20)     Default ' '
  , firstname           VARCHAR(20)     Not Null
  , address             VARCHAR(100)    Default ' '
  , email_address       VARCHAR(50)     Default ' '
  , gender              VARCHAR(1)      Default 'M'
  , birthday            VARCHAR(20)     Default ' '
  , course_code         VARCHAR(10)     Not Null
  , status              VARCHAR(1)      Default 'A'
  , cellno              VARCHAR(20)     Default ' '
  , cellno1             VARCHAR(20)     Default ' '
  , CONSTRAINT pk_student PRIMARY KEY (student_no)
  , CONSTRAINT fk_course FOREIGN KEY (course_code)
    REFERENCES COURSE(course_code)
  );

CREATE TABLE COURSE  (
    course_code         VARCHAR(10)     Not Null
  , description         VARCHAR(100)    Default ' '
  , status              VARCHAR(1)      Default 'A'
  , college_code        VARCHAR(10)     Not Null
  , CONSTRAINT pk_course PRIMARY KEY (course_code)
  , CONSTRAINT fk_college1 FOREIGN KEY (college_code)
    REFERENCES COLLEGE(college_code)
  );

CREATE TABLE COLLEGE  (
    college_code        VARCHAR(10)     Not Null
  , description         VARCHAR(100)    Default ' '
  , status              VARCHAR(1)      Default 'A'
  , CONSTRAINT pk_college PRIMARY KEY (college_code)
  );

CREATE TABLE FACULTY (
    faculty_no          VARCHAR(20)     Not Null
  , lastname            VARCHAR(20)     Default ' '
  , firstname           VARCHAR(20)     Not Null
  , address             VARCHAR(100)    Default ' '
  , email_address       VARCHAR(50)     Default ' '
  , gender              VARCHAR(1)      Default 'M'
  , birthday            VARCHAR(20)     Default ' '
  , college_code        VARCHAR(10)     Not Null
  , status              VARCHAR(1)      Default 'A'
  , CONSTRAINT pk_faculty PRIMARY KEY (faculty_no)
  , CONSTRAINT fk_college FOREIGN KEY (college_code)
    REFERENCES COLLEGE(college_code)
  );
```

```
CREATE TABLE SUBJECT (
    subject_code        VARCHAR(10)      Not Null
  , description         VARCHAR(100)     Not Null
  , units               VARCHAR(10)      Not Null
  , lec_lab             VARCHAR(10)      Default ' '
  , college_code        VARCHAR(10)      Not Null
  , status              VARCHAR(1)       Default 'A'
  , CONSTRAINT pk_subject PRIMARY KEY (subject_code)
  , CONSTRAINT fk_college2 FOREIGN KEY (college_code)
    REFERENCES COLLEGE(college_code)
);
```

```
ALTER TABLE STUDENT DROP COLUMN cellnol;

/*5. Change the column width of lastname and firstname to 200 characters.*/
```

Script Output ×
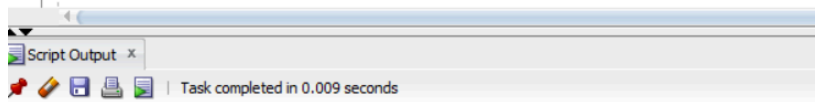
Task completed in 0.009 seconds

```
Table SUBJECT altered.

Table STUDENT altered.
```

```
ALTER TABLE STUDENT MODIFY firstname VARCHAR(200);
ALTER TABLE FACULTY MODIFY firstname VARCHAR(200);

ALTER TABLE STUDENT MODIFY lastname VARCHAR(200);
ALTER TABLE FACULTY MODIFY lastname VARCHAR(200);

--C. DML--
```

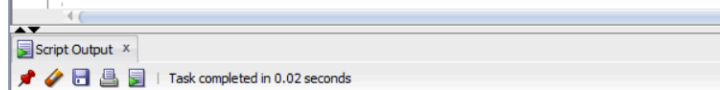Script Output ×

Task completed in 0.02 seconds

```
Table STUDENT altered.


Table FACULTY altered.


Table STUDENT altered.


Table FACULTY altered.
```

C. DML

1. Insert at least 20 records in the STUDENT table.

2. Insert all the courses in PLM to the COURSE table.

3. Insert all the colleges in PLM to the COLLEGE table.

4. Insert at least 5 teachers in PLM to the FACULTY table.

5. Insert all your subjects from 1st year to 2nd year to SUBJECT table.

6. Update all status of table FACULTY from 'A' to 'Y' if college_code = 'CET'

7. Update all status of table EMPLOYEE from 'A' to 'Y' if course_code = 'BSN' or course_code = 'BSCoE'

8. Delete all records of table COURSE whose status is no equal to 'A'

9. Delete all records of table STUDENT whose gender is not 'M' or 'F'

10. commit all the changes

Script:

```
--C. DML

--1. Insert at least 20 records in the STUDENT table.

INSERT INTO STUDENT (student_no, lastname, firstname, address,
email_address, gender, birthday, course_code, status, cellno)
VALUES ('2023-34011', 'Hinata', 'Shoyo', 'Barangay Poblacion,
Makati City', 'shoyohinata@plm.edu.ph', 'M',
TO_DATE('2001-06-21', 'YYYY-MM-DD'), 'BSCE', 'A', '09123456701');

INSERT INTO STUDENT (student_no, lastname, firstname, address,
email_address, gender, birthday, course_code, status, cellno)
VALUES ('2024-32022', 'Oikawa', 'Tooru', 'Barangay San Lorenzo,
Makati City', 'tooruoikawa@plm.edu.ph', 'P',
TO_DATE('2001-03-22', 'YYYY-MM-DD'), 'BSCS', 'A', '09123456702');

INSERT INTO STUDENT (student_no, lastname, firstname, address,
email_address, gender, birthday, course_code, status, cellno)
VALUES ('2022-23003', 'Tsukishima', 'Kei', 'Barangay Santo Niño,
Quezon City', 'keitsukishima@plm.edu.ph', 'M',
TO_DATE('2001-02-05', 'YYYY-MM-DD'), 'BSIT', 'A', '09123456703');

INSERT INTO STUDENT (student_no, lastname, firstname, address,
email_address, gender, birthday, course_code, status, cellno)
VALUES ('2023-34004', 'Kageyama', 'Tobio', 'Barangay Bahay Toro,
Quezon City', 'tobiokageyama@plm.edu.ph', 'M',
TO_DATE('2001-12-22', 'YYYY-MM-DD'), 'BSN', 'A', '09123456704');
```

```sql
INSERT INTO STUDENT (student_no, lastname, firstname, address,
email_address, gender, birthday, course_code, status, cellno)
VALUES ('2022-39015', 'Yamaguchi', 'Tadashi', 'Barangay San
Antonio, Pasig City', 'tadashiyamaguchi@plm.edu.ph', 'M',
TO_DATE('2001-07-04', 'YYYY-MM-DD'), 'BSA', 'A', '09123456705');

INSERT INTO STUDENT (student_no, lastname, firstname, address,
email_address, gender, birthday, course_code, status, cellno)
VALUES ('2023-17206', 'Nishinoya', 'Yuu', 'Barangay San Roque,
Marikina City', 'yuunishinoya@plm.edu.ph', 'M',
TO_DATE('2001-10-10', 'YYYY-MM-DD'), 'BSCOE', 'A',
'09123456706');

INSERT INTO STUDENT (student_no, lastname, firstname, address,
email_address, gender, birthday, course_code, status, cellno)
VALUES ('2022-32037', 'Iwaizumi', 'Hajime', 'Barangay San Isidro,
Makati City', 'hajimeiwaizumi@plm.edu.ph', 'P',
TO_DATE('2001-04-18', 'YYYY-MM-DD'), 'BSIT', 'A', '09123456707');

INSERT INTO STUDENT (student_no, lastname, firstname, address,
email_address, gender, birthday, course_code, status, cellno)
VALUES ('2024-23008', 'Sugawara', 'Koushi', 'Barangay Sto.
Domingo, Quezon City', 'koushisugawara@plm.edu.ph', 'M',
TO_DATE('2001-09-09', 'YYYY-MM-DD'), 'BSCE', 'A', '09123456708');

INSERT INTO STUDENT (student_no, lastname, firstname, address,
email_address, gender, birthday, course_code, status, cellno)
VALUES ('2023-30019', 'Shirabu', 'Kenjiro', 'Barangay Malanday,
Marikina City', 'kenjiroshirabu@plm.edu.ph', 'M',
TO_DATE('2001-04-10', 'YYYY-MM-DD'), 'BSCOE', 'A',
'09123456709');

INSERT INTO STUDENT (student_no, lastname, firstname, address,
email_address, gender, birthday, course_code, status, cellno)
VALUES ('2023-32010', 'Bokuto', 'Koutarou', 'Barangay Manggahan,
Pasig City', 'koutaroubokuto@plm.edu.ph', 'M',
TO_DATE('2001-10-05', 'YYYY-MM-DD'), 'BSPT', 'A', '09123456710');

INSERT INTO STUDENT (student_no, lastname, firstname, address,
email_address, gender, birthday, course_code, status, cellno)
VALUES ('2022-39011', 'Tanaka', 'Ryunosuke', 'Barangay Santa
Lucia, Pasig City', 'ryunosuketanaka@plm.edu.ph', 'M',
TO_DATE('2001-03-03', 'YYYY-MM-DD'), 'BSECE', 'A',
'09123456711');

INSERT INTO STUDENT (student_no, lastname, firstname, address,
email_address, gender, birthday, course_code, status, cellno)
VALUES ('2024-28012', 'Azumane', 'Asahi', 'Barangay San Vicente,
San Pedro', 'asahiazumane@plm.edu.ph', 'M', TO_DATE('2001-05-05',
'YYYY-MM-DD'), 'BSN', 'A', '09123456712');

INSERT INTO STUDENT (student_no, lastname, firstname, address,
email_address, gender, birthday, course_code, status, cellno)
VALUES ('2022-25013', 'Ushijima', 'Wakatoshi', 'Barangay San
Antonio, Pasig City', 'wakatoshiushijima@plm.edu.ph', 'M',
TO_DATE('2001-08-14', 'YYYY-MM-DD'), 'BSCOE', 'A',
```

```sql
                              '09123456713');

INSERT INTO STUDENT (student_no, lastname, firstname, address,
email_address, gender, birthday, course_code, status, cellno)
VALUES ('2022-31014', 'Kuroo', 'Tetsurou', 'Barangay Fortune,
Marikina City', 'tetsuroukuroo@plm.edu.ph', 'M',
TO_DATE('2001-02-24', 'YYYY-MM-DD'), 'BSPT', 'A', '09123456714');

INSERT INTO STUDENT (student_no, lastname, firstname, address,
email_address, gender, birthday, course_code, status, cellno)
VALUES ('2023-24015', 'Kenma', 'Kozume', 'Barangay Matandang
Balara, Quezon City', 'kenmakozume@plm.edu.ph', 'Z',
TO_DATE('2001-06-12', 'YYYY-MM-DD'), 'BSIT', 'A', '09123456715');

INSERT INTO STUDENT (student_no, lastname, firstname, address,
email_address, gender, birthday, course_code, status, cellno)
VALUES ('2024-32016', 'Kurosu', 'Rei', 'Barangay Tandang Sora,
Quezon City', 'reikurosu@plm.edu.ph', 'F', TO_DATE('2001-01-01',
'YYYY-MM-DD'), 'BSCS', 'A', '09123456716');

INSERT INTO STUDENT (student_no, lastname, firstname, address,
email_address, gender, birthday, course_code, status, cellno)
VALUES ('2024-34017', 'Kita', 'Shinsuke', 'Barangay Barangka,
Marikina City', 'shinsukekita@plm.edu.ph', 'M',
TO_DATE('2001-07-01', 'YYYY-MM-DD'), 'BSECE', 'A',
'09123456717');

INSERT INTO STUDENT (student_no, lastname, firstname, address,
email_address, gender, birthday, course_code, status, cellno)
VALUES ('2023-25018', 'Kogane', 'Kinnosuke', 'Barangay San Jose,
Antipolo', 'kinnosukekogane@plm.edu.ph', 'M',
TO_DATE('2001-03-30', 'YYYY-MM-DD'), 'BSCE', 'A', '09123456718');

INSERT INTO STUDENT (student_no, lastname, firstname, address,
email_address, gender, birthday, course_code, status, cellno)
VALUES ('2024-34019', 'Futakuchi', 'Kenji', 'Barangay Quirino 2nd
Avenue, Quezon City', 'kenjifutakuchi@plm.edu.ph', 'M',
TO_DATE('2001-12-12', 'YYYY-MM-DD'), 'BSEE', 'A', '09123456719');

INSERT INTO STUDENT (student_no, lastname, firstname, address,
email_address, gender, birthday, course_code, status, cellno)
VALUES ('2023-23020', 'Aone', 'Takanobu', 'Barangay Bagumbayan,
Taguig City', 'takanobuaone@plm.edu.ph', 'M',
TO_DATE('2001-09-15', 'YYYY-MM-DD'), 'BSCE', 'A', '09123456720');

SELECT * FROM STUDENT;

--2. Insert all the courses in PLM to COURSE table.

-- CISTM
INSERT INTO COURSE (course_code, description, status,
college_code)
VALUES('BSCS','Bachelor of Science in Computer
Science','A','CISTM');

INSERT INTO COURSE (course_code, description, status,
```

```sql
college_code)
VALUES('BSIT','Bachelor of Science in Information
Technology','A','CISTM');

-- CET
INSERT INTO COURSE (course_code, description, status,
college_code)
VALUES('BSCHE','Bachelor of Science in Chemical
Engineering','A','CET');

INSERT INTO COURSE (course_code, description, status,
college_code)
VALUES('BSCE','Bachelor of Science in Civil
Engineering','A','CET');

INSERT INTO COURSE (course_code, description, status,
college_code)
VALUES('BSCOE','Bachelor of Science in Computer
Engineering','A','CET');

INSERT INTO COURSE (course_code, description, status,
college_code)
VALUES('BSEE','Bachelor of Science in Electrical
Engineering','A','CET');

INSERT INTO COURSE (course_code, description, status,
college_code)
VALUES('BSECE','Bachelor of Science in Electronics
Engineering','A','CET');

INSERT INTO COURSE (course_code, description, status,
college_code)
VALUES('BSME','Bachelor of Science in Mechanical
Engineering','A','CET');

INSERT INTO COURSE (course_code, description, status,
college_code)
VALUES('BSMFE','Bachelor of Science in Manufacturing
Engineering','A','CET');

-- CN
INSERT INTO COURSE (course_code, description, status,
college_code)
VALUES('BSN','Bachelor of Science in Nursing','A','CN');

-- CPT
INSERT INTO COURSE (course_code, description, status,
college_code)
VALUES('BSPT','Bachelor of Science in Physical
Therapy','A','CPT');

-- PLM BS
INSERT INTO COURSE (course_code, description, status,
college_code)
VALUES('BSA','Bachelor of Science in Accountancy','A','PLM_BS');
```

```sql
INSERT INTO COURSE (course_code, description, status,
college_code)
VALUES('BSA-FM','Bachelor of Science in Business Administration
major in Financial Management','A','PLM_BS');

INSERT INTO COURSE (course_code, description, status,
college_code)
VALUES('BSA-MM','Bachelor of Science in Business Administration
major in Marketing Management','A','PLM_BS');

INSERT INTO COURSE (course_code, description, status,
college_code)
VALUES('BSA-OM','Bachelor of Science in Business Administration
major in Operations Management','A','PLM_BS');

INSERT INTO COURSE (course_code, description, status,
college_code)
VALUES('BSA-HRM','Bachelor of Science in Business Administration
major in Human Resource Management','A','PLM_BS');

INSERT INTO COURSE (course_code, description, status,
college_code)
VALUES('BSA-BE','Bachelor of Science in Business Administration
major in Business Economics','A','PLM_BS');

INSERT INTO COURSE (course_code, description, status,
college_code)
VALUES('BS-ENTREP','Bachelor of Science in
Entrepreneurship','A','PLM_BS');

INSERT INTO COURSE (course_code, description, status,
college_code)
VALUES('BSREM','Bachelor of Science in Real Estate
Management','A','PLM_BS');

INSERT INTO COURSE (course_code, description, status,
college_code)
VALUES('BSTM','Bachelor of Science in Tourism
Management','A','PLM_BS');

-- CASBE
INSERT INTO COURSE (course_code, description, status,
college_code)
VALUES('BS-ARCH','Bachelor of Science in
Architecture','A','CASBE');

-- CHASS
INSERT INTO COURSE (course_code, description, status,
college_code)
VALUES('BAC','Bachelor of Arts in Communication','A','CHASS');

INSERT INTO COURSE (course_code, description, status,
college_code)
VALUES('BSSW','Bachelor of Science in Social Work','A','CHASS');

INSERT INTO COURSE (course_code, description, status,
```

```sql
college_code)
VALUES('BMMP','Bachelor of Music in Music
Performances','A','CHASS');

-- CS
INSERT INTO COURSE (course_code, description, status,
college_code)
VALUES('BSBio','Bachelor of Science in Biology','A','CS');

INSERT INTO COURSE (course_code, description, status,
college_code)
VALUES('BSMath','Bachelor of Science in Mathematics','A','CS');

INSERT INTO COURSE (course_code, description, status,
college_code)
VALUES('BSChem','Bachelor of Science in Chemistry','A','CS');

INSERT INTO COURSE (course_code, description, status,
college_code)
VALUES('BSPsy','Bachelor of Science in Psychology','A','CS');

-- CED
INSERT INTO COURSE (course_code, description, status,
college_code)
VALUES('BECEd','Bachelor of Early Childhood
Education','A','CED');

INSERT INTO COURSE (course_code, description, status,
college_code)
VALUES('BSEEd','Bachelor of Elementary Education','A','CED');

INSERT INTO COURSE (course_code, description, status,
college_code)
VALUES('BSNEd','Bachelor of Special Needs Education','A','CED');

INSERT INTO COURSE (course_code, description, status,
college_code)
VALUES('BPED','Bachelor of Physical Education','A','CED');

INSERT INTO COURSE (course_code, description, status,
college_code)
VALUES('BSEd-Eng','Bachelor of Secondary Education major in
English','A','CED');

INSERT INTO COURSE (course_code, description, status,
college_code)
VALUES('BSEd-Fil','Bachelor of Secondary Education major in
Filipino','A','CED');

INSERT INTO COURSE (course_code, description, status,
college_code)
VALUES('BSEd-Math','Bachelor of Secondary Education major in
Mathematics','A','CED');

INSERT INTO COURSE (course_code, description, status,
college_code)
```

```sql
        VALUES('BSEd-Sci','Bachelor of Secondary Education major in
        Science','A','CED');

        INSERT INTO COURSE (course_code, description, status,
        college_code)
        VALUES('BSEd-SS','Bachelor of Secondary Education major in Social
        Studies','A','CED');

        -- SOG
        INSERT INTO COURSE (course_code, description, status,
        college_code)
        VALUES('BPA','Bachelor of Public Administration','A','SOG');

        -- extra

        INSERT INTO COURSE (course_code, description, status,
        college_code)
        VALUES('BSNED', 'Bachelor of Special Needs Education','B','CED');

        INSERT INTO COURSE (course_code, description, status,
        college_code)
        VALUES ('BECED', 'Bachelor of Early Childhood Education','B',
        'CED');


        SELECT * FROM COURSE;

        -- 3. Insert all the colleges in PLM to the COLLEGE table.

        INSERT INTO COLLEGE (college_code, description, status)
        VALUES ('CASBE', 'College of Architecture and Sustainable Built
        Environments', 'A');

        INSERT INTO COLLEGE (college_code, description, status)
        VALUES ('CED', 'College of Education', 'A');

        INSERT INTO COLLEGE (college_code, description, status)
        VALUES ('CET', 'College of Engineering', 'A');

        INSERT INTO COLLEGE (college_code, description, status)
        VALUES ('CHASS', 'College of Humanities, Arts, and Social
        Science', 'A');

        INSERT INTO COLLEGE (college_code, description, status)
        VALUES ('CN', 'College of Nursing', 'A');

        INSERT INTO COLLEGE (college_code, description, status)
        VALUES ('CPT', 'College of Physical Therapy', 'A');

        INSERT INTO COLLEGE (college_code, description, status)
        VALUES ('CS', 'College of Science', 'A');

        INSERT INTO COLLEGE (college_code, description, status)
        VALUES ('CBA', 'College of Business Administration', 'A');

        INSERT INTO COLLEGE (college_code, description, status)
```

```sql
VALUES ('PLM_BS', 'PLM Business School', 'A');

INSERT INTO COLLEGE (college_code, description, status)
VALUES ('SOG', 'School of Government', 'A');

INSERT INTO COLLEGE (college_code, description, status)
VALUES ('SPH', 'School of Public Health', 'A');

INSERT INTO COLLEGE (college_code, description, status)
VALUES ('GSL', 'Graduate School of Law', 'A');

INSERT INTO COLLEGE (college_code, description, status)
VALUES ('CA', 'College of Accountancy', 'A');

INSERT INTO COLLEGE (college_code, description, status)
VALUES ('CTHM', 'College of Tourism and Hospitality Management',
'A');

INSERT INTO COLLEGE (college_code, description, status)
VALUES ('CISTM', 'College of Information Systems and Technology
Management', 'A');

INSERT INTO COLLEGE (college_code, description, status)
VALUES ('CPA', 'College of Public Administration', 'A');

SELECT * FROM COLLEGE;

-- 4. Insert at least 5 teachers in PLM to the FACULTY table.

INSERT INTO FACULTY (faculty_no, lastname, firstname, address,
email_address, gender, birthday, college_code, status)
VALUES ('FAC001', 'Ukai', 'Keishin', 'Makati Ave, Makati City,
Metro Manila', 'ukai.keishin@plm.edu.ph', 'M', '1985-07-15',
'CISTM', 'P');

INSERT INTO FACULTY (faculty_no, lastname, firstname, address,
email_address, gender, birthday, college_code, status)
VALUES ('FAC002', 'Takeda', 'Ittetsu', 'Brgy. San Antonio, Pasig
City, Metro Manila', 'takeda.ittetsu@plm.edu.ph', 'M',
'1982-04-10', 'CET', 'P');

INSERT INTO FACULTY (faculty_no, lastname, firstname, address,
email_address, gender, birthday, college_code, status)
VALUES ('FAC003', 'Washijo', 'Tanji', 'Quezon Ave, Quezon City,
Metro Manila', 'washijo.tanji@plm.edu.ph', 'M', '1970-02-08',
'CET', 'P');

INSERT INTO FACULTY (faculty_no, lastname, firstname, address,
email_address, gender, birthday, college_code, status)
VALUES ('FAC004', 'Nekomata', 'Yasufumi', 'Vito Cruz, Malate,
Manila', 'nekomata.yasufumi@plm.edu.ph', 'M', '1968-11-05',
'CHASS', 'P');

INSERT INTO FACULTY (faculty_no, lastname, firstname, address,
email_address, gender, birthday, college_code, status)
VALUES ('FAC005', 'Shimada', 'Makoto', 'Ayala Ave, Makati City,
```

```sql
                Metro Manila', 'shimada.makoto@plm.edu.ph', 'M', '1983-03-27',
                'CED', 'P');

SELECT * FROM FACULTY;

-- 5. Insert all your subjects from 1st year to 2nd year to
SUBJECT table.

-- 1st Year (1st Sem)
INSERT INTO SUBJECT (subject_code, description, units, lec_lab,
college_code)
VALUES ('ICC0101', 'Introduction to Computing', '3', 'lec',
'CISTM');

INSERT INTO SUBJECT (subject_code, description, units, lec_lab,
college_code)
VALUES ('ICC0101.1', 'Introduction to Computing', '1', 'lab',
'CISTM');

INSERT INTO SUBJECT (subject_code, description, units, lec_lab,
college_code)
VALUES ('ICC0102', 'Fundamentals of Programming', '3', 'lec',
'CISTM');

INSERT INTO SUBJECT (subject_code, description, units, lec_lab,
college_code)
VALUES ('ICC0102.1', 'Fundamentals of Programming', '1', 'lab',
'CISTM');

INSERT INTO SUBJECT (subject_code, description, units,
college_code)
VALUES ('CSC0102', 'Discrete Structure 1', '3', 'CS');

INSERT INTO SUBJECT (subject_code, description, units,
college_code)
VALUES ('STS0002', 'Science, Technology and Society', '3', 'CS');

INSERT INTO SUBJECT (subject_code, description, units,
college_code)
VALUES ('MMW0001', 'Mathematics in the Modern World', '3', 'CS');

INSERT INTO SUBJECT (subject_code, description, units,
college_code)
VALUES ('PCM0006', 'Purposive Communications', '3', 'CHASS');

INSERT INTO SUBJECT (subject_code, description, units,
college_code)
VALUES ('IPP0010', 'Interdisiplinaryong Pagbasa at Pagsulat',
'3', 'CHASS');

INSERT INTO SUBJECT (subject_code, description, units,
college_code)
VALUES ('PED0001', 'Foundation of Physical Activities', '2',
'CPT');

INSERT INTO SUBJECT (subject_code, description, units,
```

```sql
college_code)
VALUES ('NSTP1', 'National Service Training Program', '3',
'CPA');

-- 1st Year (2nd Sem)
INSERT INTO SUBJECT (subject_code, description, units, lec_lab,
college_code)
VALUES ('ICC0103', 'Intermediate Programming', '3', 'lec',
'CISTM');

INSERT INTO SUBJECT (subject_code, description, units, lec_lab,
college_code)
VALUES ('ICC0103.1', 'Intermediate Programming', '1', 'lab',
'CISTM');

INSERT INTO SUBJECT (subject_code, description, units, lec_lab,
college_code)
VALUES ('ICC0104', 'Data Structures and Algorithms', '3', 'lec',
'CISTM');

INSERT INTO SUBJECT (subject_code, description, units, lec_lab,
college_code)
VALUES ('ICC0104.1', 'Data Structures and Algorithms', '1',
'lab', 'CISTM');

INSERT INTO SUBJECT (subject_code, description, units,
college_code)
VALUES ('CSC0211', 'Discrete Structures 2', '3', 'CS');

INSERT INTO SUBJECT (subject_code, description, units,
college_code)
VALUES ('CSC0223', 'Human Computer Interaction', '3', 'CISTM');

INSERT INTO SUBJECT (subject_code, description, units,
college_code)
VALUES ('TCW0005', 'The Contemporary World', '3', 'CHASS');

INSERT INTO SUBJECT (subject_code, description, units,
college_code)
VALUES ('RPH0004', 'Readings in Philippine History', '3',
'CHASS');

INSERT INTO SUBJECT (subject_code, description, units,
college_code)
VALUES ('LWR0009', 'Life and Works of Rizal', '3', 'CHASS');

INSERT INTO SUBJECT (subject_code, description, units,
college_code)
VALUES ('PED_PE', 'PE Elective (12, 13, or 14)', '2', 'CPT');

INSERT INTO SUBJECT (subject_code, description, units,
college_code)
VALUES ('NSTP2', 'National Service Training Program', '3',
'CPA');

-- 2nd Year (1st Sem)
```

```sql
INSERT INTO SUBJECT (subject_code, description, units, lec_lab,
college_code)
VALUES ('CSC0212', 'Object Oriented Programming', '3', 'lec',
'CISTM');

INSERT INTO SUBJECT (subject_code, description, units, lec_lab,
college_code)
VALUES ('CSC0212.1', 'Object Oriented Programming', '1', 'lab',
'CISTM');

INSERT INTO SUBJECT (subject_code, description, units, lec_lab,
college_code)
VALUES ('CSC0213', 'Logic Design and Digital Computer Circuits',
'3', 'lec', 'CISTM');

INSERT INTO SUBJECT (subject_code, description, units, lec_lab,
college_code)
VALUES ('CSC0213.1', 'Logic Design and Digital Computer
Circuits', '1', 'lab', 'CISTM');

INSERT INTO SUBJECT (subject_code, description, units,
college_code)
VALUES ('CSC0224', 'Operation Research', '3', 'CS');

INSERT INTO SUBJECT (subject_code, description, units, lec_lab,
college_code)
VALUES ('ICC0105', 'Information Management', '3', 'lec',
'CISTM');

INSERT INTO SUBJECT (subject_code, description, units, lec_lab,
college_code)
VALUES ('ICC0105.1', 'Information Management', '1', 'lab',
'CISTM');

INSERT INTO SUBJECT (subject_code, description, units,
college_code)
VALUES ('ITE0001', 'Living in the IT Era', '3', 'CISTM');

INSERT INTO SUBJECT (subject_code, description, units,
college_code)
VALUES ('ETH0008', 'Ethics', '3', 'CHASS');

INSERT INTO SUBJECT (subject_code, description, units,
college_code)
VALUES ('UTS0003', 'Understanding the Self', '3', 'CHASS');

INSERT INTO SUBJECT (subject_code, description, units,
college_code)
VALUES ('PE13', 'PE Elective (12, 13, or 14)', '2', 'CPT');

-- 2nd Year (2nd Sem)
INSERT INTO SUBJECT (subject_code, description, units,
college_code)
VALUES ('CSC0221', 'Algorithm and Complexity', '3', 'CISTM');

INSERT INTO SUBJECT (subject_code, description, units, lec_lab,
```

```
college_code)
VALUES ('CSC0222', 'Architecture and Organization', '3', 'lec',
'CISTM');

INSERT INTO SUBJECT (subject_code, description, units, lec_lab,
college_code)
VALUES ('CSC0222.1', 'Architecture and Organization', '1', 'lab',
'CISTM');

INSERT INTO SUBJECT (subject_code, description, units, lec_lab,
college_code)
VALUES ('ICC0106', 'Applications Development and Emerging
Technologies', '3', 'lec', 'CISTM');

INSERT INTO SUBJECT (subject_code, description, units, lec_lab,
college_code)
VALUES ('ICC0106.1', 'Applications Development and Emerging
Technologies', '1', 'lab', 'CISTM');

INSERT INTO SUBJECT (subject_code, description, units,
college_code)
VALUES ('CSC0316', 'Information Assurance Security', '3',
'CISTM');

INSERT INTO SUBJECT (subject_code, description, units,
college_code)
VALUES ('CBM0016', 'The Entrepreneurial Mind', '3', 'CBA');

INSERT INTO SUBJECT (subject_code, description, units,
college_code)
VALUES ('GES0013', 'Environmental Science', '3', 'CASBE');

INSERT INTO SUBJECT (subject_code, description, units,
college_code)
VALUES ('AAP0007', 'Art Appreciation', '3', 'CHASS');

INSERT INTO SUBJECT (subject_code, description, units,
college_code)
VALUES ('PE14', 'PE Elective (12, 13, or 14)', '2', 'CPT');

SELECT * FROM SUBJECT;

-- 6. Update all status of table FACULTY from 'A' to 'Y' if
college_code = 'CET'

UPDATE FACULTY
SET status = 'Y'
WHERE college_code = 'CET';

-- 7. Update all status of table COURSE from 'A' to 'Y' if
course_code = 'BSN' or course_code = 'BSCoE'

UPDATE COURSE
SET status = 'Y'
WHERE course_code IN ('BSN', 'BSCOE');
```

```
        SELECT * FROM COURSE WHERE status = 'Y';

        -- 8. Delete all records of table COURSE whose status is no equal
        to 'A'

        DELETE FROM COURSE
        WHERE status NOT IN ('A');

        SELECT * FROM COURSE WHERE status NOT IN ('A');

        -- 9. Delete all records of table STUDENT whose gender is not 'M'
        or 'F'

        DELETE FROM STUDENT
        WHERE gender NOT IN ('M', 'F');

        SELECT * FROM STUDENT WHERE gender NOT IN ('M', 'F');

        -- 10. commit all the changes

        Commit;
```

Outputs:

--2. Insert all the courses in PLM to COURSE table.--

	COURSE_CODE	DESCRIPTION	STATUS	COLLEGE_CODE
1	BSCS	Bachelor of Science in Computer Science	A	CISTM
2	BSIT	Bachelor of Science in Information Technology	A	CISTM
3	BSCHE	Bachelor of Science in Chemical Engineering	A	CET
4	BSCE	Bachelor of Science in Civil Engineering	A	CET
5	BSCOE	Bachelor of Science in Computer Engineering	A	CET
6	BSEE	Bachelor of Science in Electrical Engineering	A	CET
7	BSECE	Bachelor of Science in Electronics Engineering	A	CET
8	BSME	Bachelor of Science in Mechanical Engineering	A	CET
9	BSMFE	Bachelor of Science in Manufacturing Engineering	A	CET
10	BSN	Bachelor of Science in Nursing	A	CN
11	BSPT	Bachelor of Science in Physical Therapy	A	CPT
12	BSA	Bachelor of Science in Accountancy	A	PLM_BS
13	BSA-FM	Bachelor of Science in Business Administration major in Financial Management	A	PLM_BS
14	BSA-MM	Bachelor of Science in Business Administration major in Marketing Management	A	PLM_BS
15	BSA-OM	Bachelor of Science in Business Administration major in Operations Management	A	PLM_BS
16	BSA-HRM	Bachelor of Science in Business Administration major in Human Resource Management	A	PLM_BS
17	BSA-BE	Bachelor of Science in Business Administration major in Business Economics	A	PLM_BS
18	BS-ENTREP	Bachelor of Science in Entrepreneurship	A	PLM_BS
19	BSREM	Bachelor of Science in Real Estate Management	A	PLM_BS
20	BSTM	Bachelor of Science in Tourism Management	A	PLM_BS

-- 3. Insert all the colleges in PLM to COLLEGE table. --

```sql
INSERT INTO COLLEGE (college_code, description, status)
VALUES ('CASBE', 'College of Architecture and Sustainable Built Environments', 'A');

INSERT INTO COLLEGE (college_code, description, status)
```

	COLLEGE_CODE	DESCRIPTION	STATUS
1	CASBE	College of Architecture and Sustainable Built Environments	A
2	CED	College of Education	A
3	CET	College of Engineering	A
4	CHASS	College of Humanities, Arts, and Social Science	A
5	CN	College of Nursing	A
6	CPT	College of Physical Therapy	A
7	CS	College of Science	A
8	CBA	College of Business Administration	A
9	PLM_BS	PLM Business School	A
10	SOG	School of Government	A
11	SPH	School of Public Health	A
12	GSL	Graduate School of Law	A
13	CA	College of Accountancy	A
14	CTHM	College of Tourism and Hospitality Management	A
15	CISTM	College of Information Systems and Technology Management	A
16	CPA	College of Public Administration	A

```sql
SELECT * FROM COLLEGE;

-- 4. Insert at least 5 teachers in PLM to FACULTY table. --

INSERT INTO FACULTY (faculty_no, lastname, firstname, address, email_address, gender, birthday, college_code, status)
VALUES ('FAC001', 'Ukai', 'Keishin', 'Makati Ave, Makati City, Metro Manila', 'ukai.keishin@plm.edu.ph', 'M', '1985-07-15', 'CISTM', 'P');

INSERT INTO FACULTY (faculty_no, lastname, firstname, address, email_address, gender, birthday, college_code, status)
VALUES ('FAC002', 'Takeda', 'Ittetsu', 'Brgy. San Antonio, Pasig City, Metro Manila', 'takeda.ittetsu@plm.edu.ph', 'M', '1982-04-10', 'CET', 'P'

INSERT INTO FACULTY (faculty_no, lastname, firstname, address, email_address, gender, birthday, college_code, status)
VALUES ('FAC003', 'Washijo', 'Tanji', 'Quezon Ave, Quezon City, Metro Manila', 'washijo.tanji@plm.edu.ph', 'M', '1970-02-08', 'CET', 'P');

INSERT INTO FACULTY (faculty_no, lastname, firstname, address, email_address, gender, birthday, college_code, status)
VALUES ('FAC004', 'Nekomata', 'Yasufumi', 'Vito Cruz, Malate, Manila', 'nekomata.yasufumi@plm.edu.ph', 'M', '1968-11-05', 'CHASS', 'P');

INSERT INTO FACULTY (faculty_no, lastname, firstname, address, email_address, gender, birthday, college_code, status)
VALUES ('FAC005', 'Shimada', 'Makoto', 'Ayala Ave, Makati City, Metro Manila', 'shimada.makoto@plm.edu.ph', 'M', '1983-03-27', 'CED', 'P');
```

Script Output × | Query Result ×

All Rows Fetched: 5 in 0.005 seconds

	FACULTY_NO	LASTNAME	FIRSTNAME	ADDRESS	EMAIL_ADDRESS	GENDER	BIRTHDAY	COLLEGE_CODE	STATUS
1	FAC001	Ukai	Keishin	Makati Ave, Makati City, Metro Manila	ukai.keishin@plm.edu.ph	M	1985-07-15	CISTM	P
2	FAC002	Takeda	Ittetsu	Brgy. San Antonio, Pasig City, Metro Manila	takeda.ittetsu@plm.edu.ph	M	1982-04-10	CET	P
3	FAC003	Washijo	Tanji	Quezon Ave, Quezon City, Metro Manila	washijo.tanji@plm.edu.ph	M	1970-02-08	CET	P
4	FAC004	Nekomata	Yasufumi	Vito Cruz, Malate, Manila	nekomata.yasufumi@plm.edu.ph	M	1968-11-05	CHASS	P
5	FAC005	Shimada	Makoto	Ayala Ave, Makati City, Metro Manila	shimada.makoto@plm.edu.ph	M	1983-03-27	CED	P

```sql
SELECT * FROM FACULTY;

-- 5. Insert all your subjects from 1st year to 2nd year to SUBJECT table.--

-- 1st Year (1st Sem) --
INSERT INTO SUBJECT (subject_code, description, units, lec_lab, college_code)
VALUES ('ICC0101', 'Introduction to Computing', '3', 'lec', 'CISTM');
```

Script Output × | Query Result ×

All Rows Fetched: 43 in 0.006 seconds

	SUBJECT_CODE	DESCRIPTION	UNITS	LEC_LAB	COLLEGE_CODE	STATUS
1	ICC0101	Introduction to Computing	3	lec	CISTM	A
2	ICC0101.1	Introduction to Computing	1	lab	CISTM	A
3	ICC0102	Fundamentals of Programming	3	lec	CISTM	A
4	ICC0102.1	Fundamentals of Programming	1	lab	CISTM	A
5	CSC0102	Discrete Structure 1	3		CS	A
6	STS0002	Science, Technology and Society	3		CS	A
7	MMW0001	Mathematics in the Modern World	3		CS	A
8	PCM0006	Purposive Communications	3		CHASS	A
9	IPP0010	Interdisiplinaryong Pagbasa at Pagsulat	3		CHASS	A
10	PED0001	Foundation of Physical Activities	2		CPT	A
11	NSTP1	National Service Training Program	3		CPA	A
12	ICC0103	Intermediate Programming	3	lec	CISTM	A
13	ICC0103.1	Intermediate Programming	1	lab	CISTM	A
14	ICC0104	Data Structures and Algorithms	3	lec	CISTM	A
15	ICC0104.1	Data Structures and Algorithms	1	lab	CISTM	A
16	CSC0211	Discrete Structures 2	3		CS	A

```sql
-- 6. Update all status of table FACULTY from 'A' to 'Y' if college_code = 'CET' --

UPDATE FACULTY
SET status = 'Y'
WHERE college_code = 'CET';


-- 7. Update all status of table COURSE from 'A' to 'Y' if course_code = 'BSN' or course_code = 'BSCoE' --

UPDATE COURSE
```

Script Output × | Query Result ×

All Rows Fetched: 5 in 0.002 seconds

	FACULTY_NO	LASTNAME	FIRSTNAME	ADDRESS	EMAIL_ADDRESS	GENDER	BIRTHDAY	COLLEGE_CODE	STATUS
1	FAC001	Ukai	Keishin	Makati Ave, Makati City, Metro Manila	ukai.keishin@plm.edu.ph	M	1985-07-15	CISTM	P
2	FAC002	Takeda	Ittetsu	Brgy. San Antonio, Pasig City, Metro Manila	takeda.ittetsu@plm.edu.ph	M	1982-04-10	CET	Y
3	FAC003	Washijo	Tanji	Quezon Ave, Quezon City, Metro Manila	washijo.tanji@plm.edu.ph	M	1970-02-08	CET	Y
4	FAC004	Nekomata	Yasufumi	Vito Cruz, Malate, Manila	nekomata.yasufumi@plm.edu.ph	M	1968-11-05	CHASS	P
5	FAC005	Shimada	Makoto	Ayala Ave, Makati City, Metro Manila	shimada.makoto@plm.edu.ph	M	1983-03-27	CED	P

```
-- 7. Update all status of table COURSE from 'A' to 'Y' if course_code = 'BSN' or course_code = 'BSCoE' --

UPDATE COURSE
SET status = 'Y'
WHERE course_code IN ('BSN', 'BSCOE');

SELECT * FROM COURSE WHERE status = 'Y';

-- 8. Delete all records of table COURSE whose status is no equal to 'A' --
```

Script Output ×   Query Result ×

SQL | All Rows Fetched: 2 in 0.003 seconds

	COURSE_CODE	DESCRIPTION	STATUS	COLLEGE_CODE
1	BSCOE	Bachelor of Science in Computer Engineering	Y	CET
2	BSN	Bachelor of Science in Nursing	Y	CN

```
-- 8. Delete all records of table COURSE whose status is no equal to 'A' --
DELETE FROM COURSE
WHERE status NOT IN ('A');

SELECT * FROM COURSE WHERE status NOT IN ('A');
```

Script Output ×   Query Result ×

SQL | All Rows Fetched: 4 in 0.003 seconds

	COURSE_CODE	DESCRIPTION	STATUS	COLLEGE_CODE
1	BSCOE	Bachelor of Science in Computer Engineering	Y	CET
2	BSN	Bachelor of Science in Nursing	Y	CN
3	BSNED	Bachelor of Special Needs Education	B	CED
4	BECED	Bachelor of Early Childhood Education	B	CED

```
-- 9. Delete all records of table STUDENT whose gender is not 'M' or 'F' --
DELETE FROM STUDENT
WHERE gender NOT IN ('M', 'F');

SELECT * FROM STUDENT WHERE gender NOT IN ('M', 'F');
-- 10. commit all the changes --
```
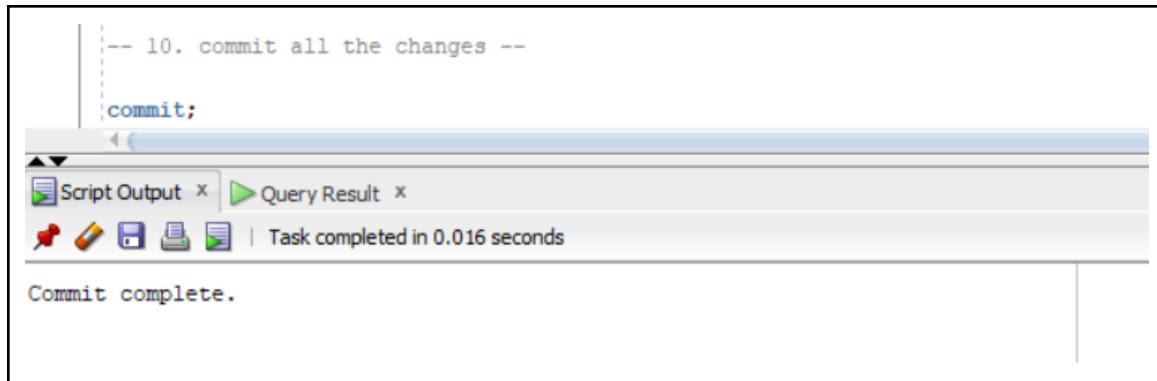
Script Output ×   Query Result ×

SQL | All Rows Fetched: 3 in 0.004 seconds

	STUDENT_NO	LASTNAME	FIRSTNAME	ADDRESS	EMAIL_ADDRESS	GENDER	BIRTHDAY	COURSE_CODE	STATUS	CELLNO
1	2024-32022	Oikawa	Tooru	Barangay San Lorenzo, Makati City	tooruoikawa@plm.edu.ph	P	03/22/2001	BSCS	A	0912345
2	2022-32037	Iwaizumi	Hajime	Barangay San Isidro, Makati City	hajimeiwaizumi@plm.edu.ph	P	04/18/2001	BSIT	A	0912345
3	2023-24015	Kenma	Kozume	Barangay Matandang Balara, Quezon City	kenmakozume@plm.edu.ph	Z	06/12/2001	BSIT	A	0912345

```
-- 10. commit all the changes --

commit;
```

Script Output ✕ | ▷ Query Result ✕

📌 ✏ 💾 🖨 📑 | Task completed in 0.016 seconds

Commit complete.

---

1. Allow the user francis, jose, maria and josefa to view (SELECT) the table STUDENT from PLM_INFO_SYSTEM user.
2. Allow the user francis and jose to view (SELECT) the tables COURSE and COLLEGE from the PLM_INFO_SYSTEM user.
3. Allow the user maria and josefa to view (SELECT) the tables EMPLOYEE and SUBJECT from the PLM_INFO_SYSTEM user.
4. Allow the user francis and jose to make an insert, update and delete any record in STUDENT table from PLM_INFO_SYSTEM user.

Script:

```
/*D. Other requirements*/

--1. Allow the user francis, jose, maria and josefa to
view (SELECT) the table STUDENT from PLM_INFO_SYSTEM
user.
GRANT SELECT ON student TO francis, jose, maria, josefa;

--2. Allow the user francis and jose to view (SELECT) the
tables COURSE and COLLEGE from PLM_INFO_SYSTEM user.
GRANT SELECT ON COURSE TO francis, jose;
GRANT SELECT ON COLLEGE TO francis, jose;

--3. Allow the user maria and josefa to view (SELECT) the
tables EMPLOYEE and SUBJECT from PLM_INFO_SYSTEM user.
GRANT SELECT ON FACULTY TO maria, josefa;
GRANT SELECT ON SUBJECT TO maria, josefa;

--4. Allow the user francis and jose to make an insert,
update and delete any record in STUDENT table from
PLM_INFO_SYSTEM user.
GRANT INSERT, UPDATE, DELETE ON STUDENT TO francis, jose;
```

Outputs:

```
/*D. Other requirements*/

--1. Allow the user francis, jose, maria and josefa to view (SELECT) the table STUDENT from PLM_INFO_SYSTEM user.
GRANT SELECT ON student TO francis, jose, maria, josefa;

--2. Allow the user francis and jose to view (SELECT) the tables COURSE and COLLEGE from PLM_INFO_SYSTEM user.
GRANT SELECT ON COURSE TO francis, jose;
GRANT SELECT ON COLLEGE TO francis, jose;

--3. Allow the user maria and josefa to view (SELECT) the tables EMPLOYEE and SUBJECT from PLM_INFO_SYSTEM user.
GRANT SELECT ON FACULTY TO maria, josefa;
GRANT SELECT ON SUBJECT TO maria, josefa;

--4. Allow the user francis and jose to make an insert, update and delete any record in STUDENT table from PLM_INFO_SYSTEM user.
GRANT INSERT, UPDATE, DELETE ON STUDENT TO francis, jose;
```

Script Output ×

Task completed in 0.102 seconds

```
Grant succeeded.

Grant succeeded.

Grant succeeded.
```