

Create the following tables, save the script as **ProcAct\_** followed by **your last name** and send it to your email. You can download it into your account during our face-to-face classes. You are to create only one database based on your account number.

If you forgot your account number, refer to the seat plan that I uploaded.

Database name: **COURSE**

COURSE and STUDENT tables are to be created by students whose account number ends in 01, 04, 07, 10, 13, 16, 19, 22, 25, 28, 31, 34, 37, 40

Create a table named COURSE with the ff. specifications:

<u>Column Name</u>	<u>Type</u>	<u>Constraint</u>
courseCode	varchar(4)	primary key
courseName	varchar(30)	not null
studentCount	integer	

Create a table named STUDENT with the ff. specifications:

<u>Column Name</u>	<u>Type</u>	<u>Constraint</u>
studentID	char(3)	primary key
studLastName	varchar(15)	not null
studFirstName	varchar(15)	not null
studGender	char	not null, check ('M' or 'F')
courseCode	varchar(4)	foreign key
yearLevel	integer	not null, check (1 to 4)

- Populate the two tables with data.

- For COURSE table

<u>Course Code</u>	<u>Course Name</u>
BSIT	BS in Information Technology
BSCS	BS in Computer Science
BSIS	BS in Information Systems

- Initial value of studentCount is zero
- For STUDENT table
  - There should be at least three (3) students in each of the three courses.

Database name: **DEPARTMENT**

DEPARTMENT and EMPLOYEE tables are to be created by students whose account number ends in 02, 05, 08, 11, 14, 17, 20, 23, 26, 29, 32, 35, 38

Create a table named DEPARTMENT with the ff. specifications:

<u>Column Name</u>	<u>Type</u>	<u>Constraint</u>
depID	varchar(5)	primary key
depName	varchar(20)	not null
employeeCount	integer	

Create a table named EMPLOYEE with the ff. specifications:

<u>Column Name</u>	<u>Type</u>	<u>Constraint</u>
empID	char(3)	primary key
empLastName	varchar(15)	not null
empFirstName	varchar(15)	
empGender	char	not null, check ('M' or 'F')
deptID	varchar(4)	foreign key
salary	decimal(8,2)	not null

- Populate the two tables with data.

- For DEPARTMENT table

<u>DepartmentID</u>	<u>Department Name</u>
Acctg	Accounting
HR	Human Resource
Mktg	Marketing

- Initial value of employeeCount is zero

- For EMPLOYEE table

- There should be at least three (3) employees in each of the three departments.

Database name: **ACCOUNT**

ACCOUNT and TRANSACTION tables are to be created by students whose account number ends in 03, 06, 09, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39

Create a table named ACCOUNT with the ff. specifications:

<u>Column Name</u>	<u>Type</u>	<u>Constraint</u>
acctNumber	varchar(3)	primary key
acctLastName	varchar(15)	not null
acctFirstName	varchar(15)	not null
acctBalance	decimal(8,2)	not null
transactCount	integer	

Create a table named TRANSACTION with the ff. specifications:

<u>Column Name</u>	<u>Type</u>	<u>Constraint</u>
transactNumber	varchar(3)	primary key
transactDate	date	not null
transactType	char	not null, check ('D', 'W')
acctNumber	varchar(3)	foreign key
amount	decimal(8,2)	not null

- Populate the two tables with data.
- For ACCOUNT table
  - Provide three (3) accounts
  - Initial value of acctBalance is 5000.00
  - Initial value of transactCount is zero
- For EMPLOYEE table
  - There should be at least three (3) transactions for each of the three accounts
  - 'D' means 'Deposit' while "W" means 'Withdrawal'