

Student Grading Management Sub-System

Lời nói đầu

1. Thông tin cá nhân

- Họ và tên: Hà Mạnh Đạt
- Mã số sinh viên: HE160594
- Lớp: IA1604
- Chuyên ngành: An toàn thông tin
- Email: dathmhe160594@fpt.edu.vn
- Số điện thoại: 0345562537

2. Giới thiệu về báo cáo

- Bài báo cáo này làm về “Student Grading Management Sub-System” nhằm quản lý điểm cho sinh viên bằng SQL server theo yêu cầu của giảng viên Ngô Tùng Sơn- Giảng viên môn DBI lớp IA1604.

Mục Lục

I. Phân tích dữ liệu của đề bài

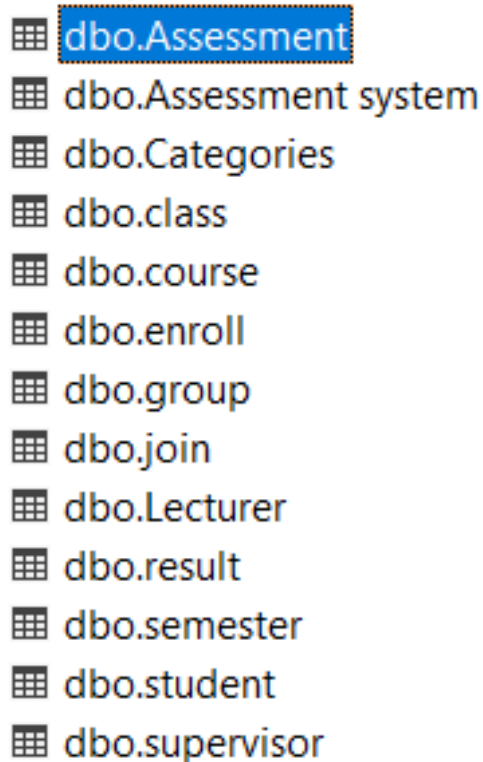
1. The assessments for course DBI202.
2. Status subject of student
3. detailed result

II. Giả thiết về các đối tượng và quan hệ

1. Entities.
2. Relationships.
3. Attributes.

III. Sơ đồ quan hệ(entity relationship diagram)

IV. Chuẩn hóa dữ liệu dạng 3rd Normal Form cho các table

A screenshot of a database interface showing a list of tables in a schema named 'dbo'. The tables are: Assessment, Assessment system, Categories, class, course, enroll, group, join, Lecturer, result, semester, student, and supervisor. The 'Assessment' table is highlighted with a blue selection box.

dbo.Assessment
dbo.Assessment system
dbo.Categories
dbo.class
dbo.course
dbo.enroll
dbo.group
dbo.join
dbo.Lecturer
dbo.result
dbo.semester
dbo.student
dbo.supervisor

V. Module Diagram

VI. Phân tích MD và dữ liệu của database

VII. Tạo Database và insert dữ liệu:

VIII. Các câu lệnh Query

1. INDEXES
2. STORED PROCEDURE
3. TRIGGER
4. 10 queries

I. Phân tích dữ liệu của đề bài

1. The assessments for course DBI202.

5 assessment(s)

Category	Type	Part	Weight	Completion Criteria	Duration	LO	Question Type	No Question	Knowledge and Skill	Grading Guide	Note
Progress Tests	quiz	2	10.0%	>0	20'		Multiple choices Marked by Computer or a suitable format	20	up to 04 covered chapters	by instructor using computer	Instruction and schedules for Progress tests must be presented in the Course Implementation Plan approved by director of the campus. Progress test must be taken right after the last lectures of required material. Instructor has responsibility to review the test for students after graded.
Assignment	on-going	1	20.0%	>0	at home		Design; Implementation; Presentation		Simple RDBS design and implementation using a DBMS	guided by instructor; prepare at home present in class	40% Design, 20% Implementation, 40% Presentation of the whole Project
Labs	on-going	5	15.0%	>0	in lab session		practical exercises		related to studied modules	Guided by instructor	may be continued at home.
Practical Exam	practical exam	1	25.0%	>0	85'		Preferable to be marked by Scripts		DB programming skills	by exam board and department	Practical Exam database is up load in CMS in advanced.
Final Exam	final exam	1	30.0%	5	60'		Multiple choices Marked by Computer	60	Knowledge and skills in the course, but with much focus on the items in Chapters 2 to 6, >= 70% new questions (for the current semester);	by exam board	

- Ta có thể thấy được bảng có nội dung là các bài test, hoặc đầu điểm mà một sinh viên phải đáp ứng để hoàn thành 1 môn học.
- Bảng bao gồm các cột :
 - + Category: Loại bài test / đầu điểm.
 - + Type: Kiểu bài test.
 - + Part: Bao gồm bao nhiêu phần.
 - + Weight: Trọng số của số điểm bài test đó ảnh hưởng lên điểm trung bình môn học.
 - + Completion Criteria: Điều kiện pass môn.
 - + Duration: Thời lượng của bài test.
 - + Question Type: Loại câu hỏi xuất hiện.
 - + No Question: Số lượng câu hỏi 1 bài.
 - + Knowledge and Skill: Kiến thức và kĩ năng cần thiết để có thể làm được bài test.
 - + Grading Guide: Hướng dẫn cho điểm.
 - + Note: Chú thích của giáo viên.
- Nhận thấy rằng mỗi 1 môn đều có những loại bài test khác nhau (không phải 1 cơ cấu đánh giá điểm như trong hình được áp dụng cho tất cả các môn).
- Do vậy cần 1 entity là category lưu lại tất cả các loại bài test và các thông số cơ bản mà luôn áp dụng cho bài test đó.

2. Status subject of student

NO.	SUBJECT CODE	SUBJECT NAME	SEMESTER	GROUP	STARTDATE	ENDDATE	AVERAGE MARK	STATUS
1	SSL101c	Academic Skills for University Success	Spring2021					Not Passed
2	SSG103	Communication and In-Group Working Skills	Summer2021					Passed
3	NWC203c	Computer Networking	Summer2021					Passed
4	CEA201	Computer Organization and Architecture	Spring2021					Passed
5	MAD101	Discrete mathematics	Summer2021					Passed
6	JPD113	Elementary Japanese 1-A1.1	Fall2021					Passed
7	CSI104	Introduction to Computer Science	Spring2021					Passed
8	DBI202	Introduction to Databases	Fall2021					Not Passed
9	LUK1	Level 1	Fall2019					Passed
10	LUK2	Level 2	Spring2020					Passed
11	LUK3	Level 3	Spring2020					Passed
12	LUK4	Level 4	Summer2020					Pass (with conditions)
13	LUK5	Level 5	Summer2020					Passed
14	LUK6	Level 6	Fall2020					Passed
15	MAE101	Mathematics for Engineering	Spring2021					Passed
16	GDQP	Military training	Fall2019					Passed
17	PRO192	Object-Oriented Programming	Fall2021					Passed
18	PRO192	Object-Oriented Programming	Fall2021					Not Passed
19	OSG202	Operating Systems	Summer2021					Passed
20	PRF192	Programming Fundamentals	Summer2021					Not Passed
21	PRF192	Programming Fundamentals	Spring2021					Attendance Fail
22	DTB102	Traditional musical instrument	Summer2020					Passed
23	VOV114	Vovinam 1	Fall2019					Passed
24	VOV124	Vovinam 2	Summer2020					Passed
25	VOV134	Vovinam 3	Summer2020					Passed

- Bảng này cho ta thấy những môn mà sinh viên đã tham gia và trạng thái môn của sinh viên đó.
 - + Bảng bao gồm các cột:
 - + No: Số hiệu / Số thứ tự.
 - + Subject Code: Mã số của môn học.
 - + Subject Name: Tên của môn học.
 - + Semester: Kỳ học mà sinh viên đã tham gia môn học tương ứng.
 - + Group: Nhóm sinh viên mà sinh viên này đã tham gia học cùng môn học tương ứng.
 - + Start Date: Ngày bắt đầu của môn học tương ứng.
 - + End Date: Ngày kết thúc của môn học tương ứng.
 - + Average Mark: Điểm trung bình của sinh viên ở môn học tương ứng.
 - + Status: Trạng thái của sinh viên ở môn học tương ứng (passed or not passed).
- Thấy rằng bảng này chứa nhiều thông tin và attributes có thể làm thành key. Điều này khiến cho table không đạt chuẩn.

- Do vậy một bảng này không thể chỉ được thể hiện trong 1 entity được, phải thông qua nhiều các entities nhỏ hơn, nhằm tránh việc vi phạm vào 3rd-Normal Standard.

3. Detailed result

GRADE CATEGORY	GRADE ITEM	WEIGHT	VALUE	COMMENT
Quiz 2	Quiz 2	7.0 %	7.8	
	Total	7.0 %	7.8	
Quiz 1	Quiz 1	8.0 %	7.6	
	Total	8.0 %	7.6	
Activity	Activity	10.0 %	8.5	
	Total	10.0 %	8.5	
Group Assignment	Group Assignment	15.0 %	9	
	Total	15.0 %	9	
Group Project	Group Project	30.0 %	8.3	
	Total	30.0 %	8.3	
Final Exam	Final Exam	30.0 %	8.6	
	Total	30.0 %	8.6	
Final Exam Resit	Final Exam Resit	30.0 %		
	Total	30.0 %		
COURSE TOTAL		AVERAGE	8.4	
		STATUS	PASSED	

- Bảng này cho ta thấy điểm và trạng thái môn học của 1 sinh viên
- Bảng gồm 5 cột:
 - + Grade Category: Các loại đầu điểm mà sinh viên phải có trong môn học này.
 - + Grade Item: Từng phần của mỗi loại đầu điểm.
 - + Weight: Trọng số của từng đầu điểm đối với môn học này.
 - + Value: Điểm số sinh viên đạt được ứng với mỗi bài test.
 - + Comment: Một số lời nhắc hoặc chú ý thì sẽ được note vào cột này
- Phía cuối sau khi kết thúc bảng điểm, xuất ra điểm trung bình môn và trạng thái. 2 dòng này có thể cũng là 1 attribute của entity.
- Để thu được bảng này, ta cần join nhiều bảng khác lại với nhau, vì riêng nó khó có thể làm 1 entity mà không vi phạm 3rd-Normal Form Standard

II. Giả thiết về các đối tượng và quan hệ

1. Entities.

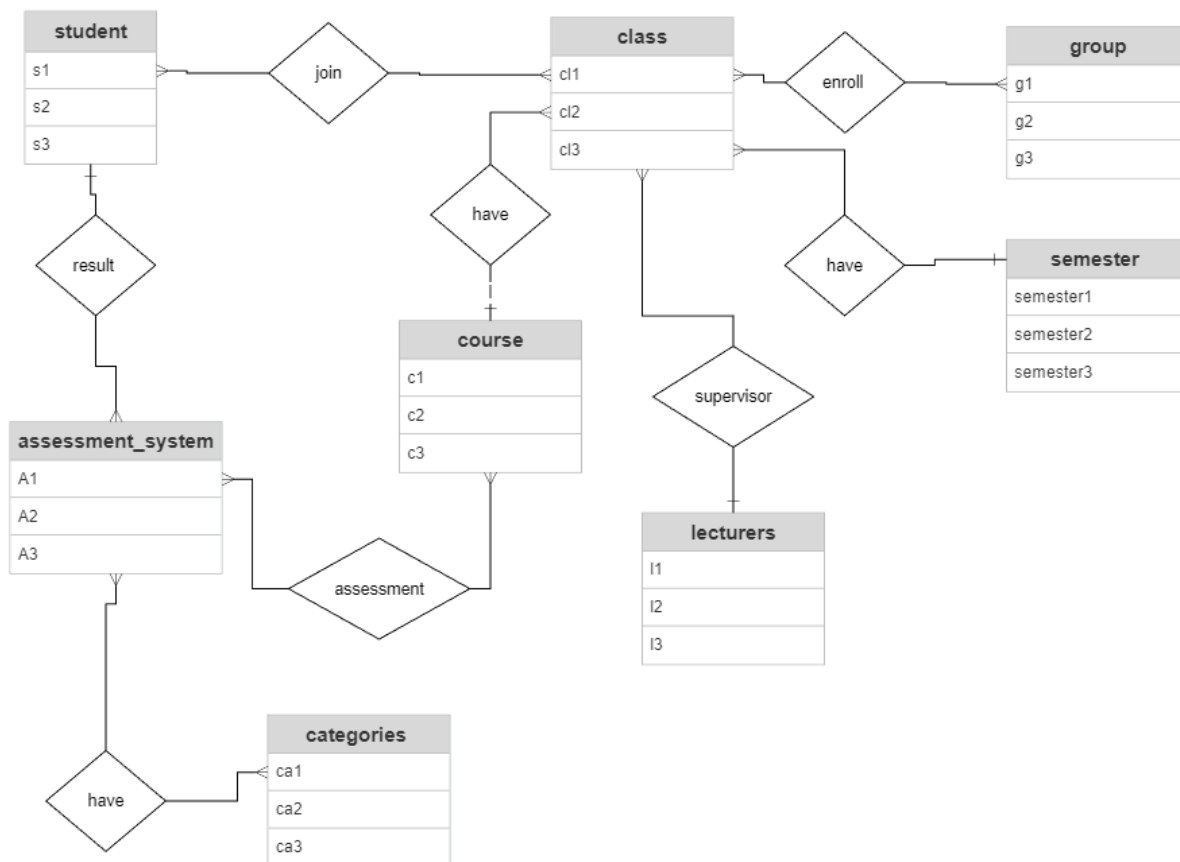
- **STUDENT:** thực thể mà ta cần quản lí, cũng như các trạng thái liên của của thực thể này
- **COURSE: STUDENT** sẽ tham gia (enroll) vào các môn học, nhằm lấy kiến thức, điểm để có thể pass môn
- **LECTURER:** người sẽ quản lí và cho điểm **STUDENT**
- **CLASS: STUDENT** sẽ tham gia các lớp học được giảng dạy bởi các **LECTURER**
- **GROUP:** tất cả các sinh viên có chung **COURSE**, nhưng khác **CLASS**
- **CATEGORIES:** tổng hợp các bài test của các môn.

2. Relationships.

- Đối với **Groups** và **Classes** , các nhóm sẽ được phân vào các lớp học với giảng viên và môn học tương ứng với kì học hiện tại của nhóm sinh viên đó. Một nhóm có thể tham gia nhiều lớp học, và 1 lớp cũng có thể có nhiều nhóm tham gia. Do vậy, ta sẽ đặt 2 entities này vào 1 quan hệ N—N.
- Đối với **Courses** và **Classes** , mỗi lớp có 1 môn học nhưng một môn học thì lại có nhiều lớp khác nhau. Do vậy, 2 entities này sẽ được đặt vào quan hệ Courses 1—N Classes .
- Đối với **Courses** và **Categories** , một môn học thì được đánh giá qua nhiều bài test và một bài test thì cũng được dùng để đánh giá nhiều môn học. Do vậy, 2 entities này sẽ được đặt vào quan hệ Courses N—N Categories .
- Đối với **Lecturers** và **Classes** , một lớp thì cũng sẽ chỉ có 1 giảng viên tham gia giảng dạy chính và một giảng viên cũng được phân vào nhiều lớp để giảng dạy. Do vậy, 2 entities này cũng sẽ được đặt vào quan hệ Lecturers 1—N Classes .
- Đối với **Lecturers** và **Courses** , một giảng viên có thể dạy được nhiều môn học và một môn học cũng có thể được dạy bởi nhiều giảng viên. Phụ thuộc vào kì học, 1 giảng viên có thể được phân công dạy 1 môn ở kì này, nhưng có thể không phải dạy môn đó ở kì khác, nên 2 entities này cũng sẽ được đặt vào 1 quan hệ N—N.

- Đối với **Lecturers** và **Students** , giảng viên sẽ giảng dạy các môn học theo các lớp, các sinh viên sẽ tham gia vào các lớp này ứng với các nhóm được phân vào. 1 kì học, sinh viên học 5 môn có thể có tối đa 5 giảng viên giảng dạy, 1 giảng viên dạy nhiều lớp cũng gồm nhiều sinh viên theo học
- Đối với **Students** và **Courses** , học sinh khi tham gia vào các lớp theo nhóm thì cũng có quan hệ với môn học thông qua các lớp đó. Trong 1 kì, sinh viên được trường phân cho 5 lớp ứng với 5 môn, nhưng sinh viên cũng có thể đăng kí thêm hoặc đăng kí tạm hoãn. Một môn học cũng sẽ được dạy cho rất nhiều sinh viên.
- Đối với **Groups** và **Courses** , các nhóm được phân vào các lớp, và các lớp lại được giao cho các môn học riêng. Do vậy các nhóm cũng có quan hệ với môn học thông qua các lớp. trong 1 kì, các nhóm sẽ được phân cho học nhiều môn, và 1 môn cũng được đem đi dạy cho nhiều nhóm sinh viên.
- Đối với **Students** và **Classes** , sinh viên sẽ được phân vào các nhóm và các nhóm sẽ được phân vào học ở các lớp khác nhau ở mỗi kì, sinh viên sẽ có quan hệ với lớp thông qua các nhóm. Trong 1 kì, sinh viên có thể tham gia nhiều lớp, và 1 lớp cũng được phân cho nhiều nhóm có nhiều sinh viên.
- Đối với **Lecturers** và **Groups** , các giảng viên được giao cho vào các lớp học, các nhóm sinh viên học lại được phân vào học ở các lớp. Do vậy, giảng viên và các nhóm sinh viên cũng có quan hệ với các giảng viên thông qua các lớp. Trong 1 kì, 1 nhóm sinh viên được nhiều giảng viên dạy, 1 giảng viên cũng giảng dạy cho nhiều nhóm sinh viên.

III. Sơ đồ quan hệ(entity relationship diagram)



IV. Chuẩn hóa dữ liệu dạng 3rd Nomal Form cho các table

Sau khi chuẩn hóa dữ liệu về dạng 3rd Normal Form, ta thu được các table:

1. Assessment

Column Name	Data Type
CiD	varchar(50)
Aid	nchar(10)

2. Assessment system

Column Name	Data Type
Aid	nchar(10)
CalD	varchar(50)
type	varchar(50)
part	varchar(50)
[No question]	int
LO	varchar(50)
duration	varchar(50)
[question type]	varchar(50)
[Knowledge and skill]	varchar(150)
[greading guide]	varchar(150)
weight	float
note	varchar(150)

3. Categories

Column Name	Data Type
CalD	varchar(50)
category	varchar(150)
type	varchar(50)
[Completion Criteria]	varchar(50)

4. Class

Column Name	Data Type
CLid	nchar(10)
CiD	varchar(50)
semester	varchar(50)

5. Course

Column Name	Data Type
CiD	varchar(50)
CourseName	varchar(150)

6. Enroll

Column Name	Data Type
GiD	varchar(50)
CLid	nchar(10)

7. Group

Column Name	Data Type
GiD	varchar(50)
GroupName	varchar(50)
[number of student]	varchar(50)

8. Join

Column Name	Data Type
SiD	varchar(50)
CLid	nchar(10)

9. Lecturer

Column Name	Data Type
LiD	varchar(50)
LecturerName	varchar(150)
mail	varchar(50)
gender	bit
dob	date

10. Result

Column Name	Data Type
Sid	varchar(50)
Aid	nchar(10)
date	date
Score	float

11. Semester

Column Name	Data Type
semester	varchar(50)
[start date]	date
[end date]	date

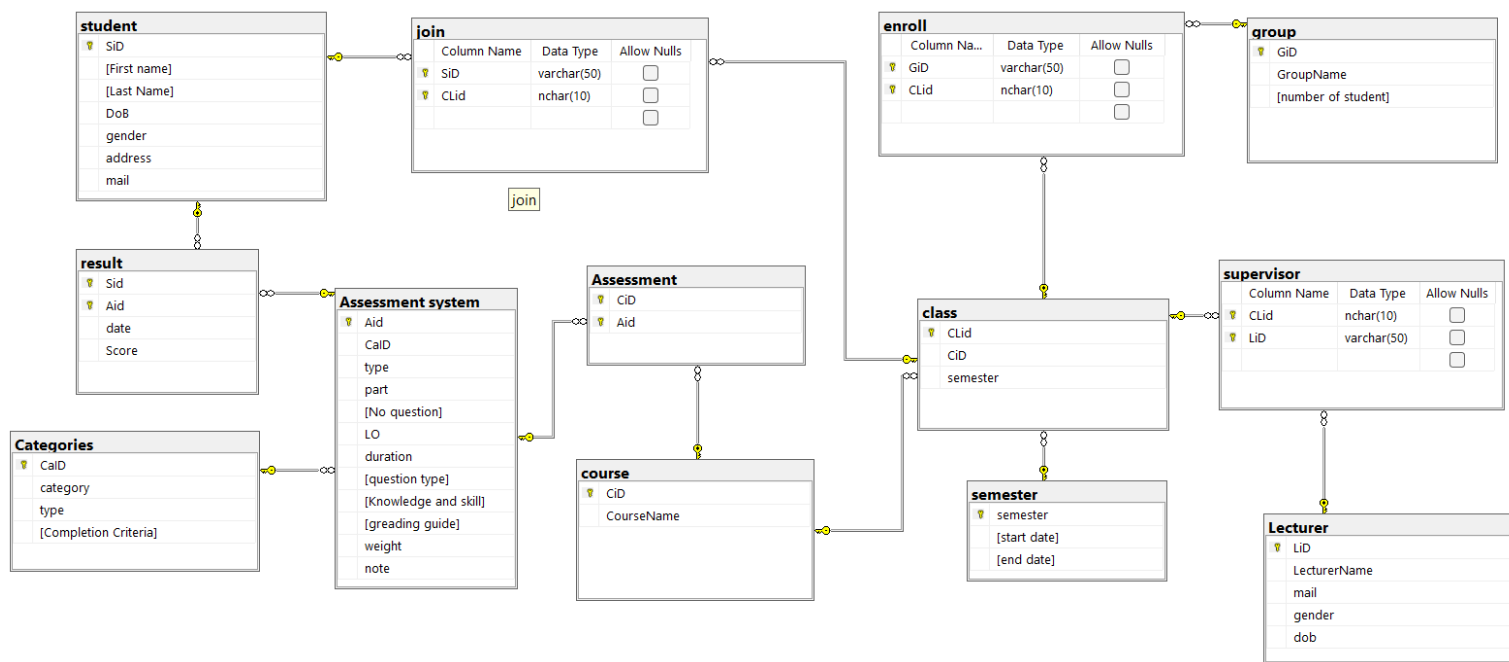
12. Student

Column Name	Data Type
SiD	varchar(50)
[First name]	varchar(150)
[Last Name]	varchar(150)
DoB	date
gender	bit
address	varchar(150)
mail	varchar(50)

13. Supervisor

Column Name	Data Type
CLid	nchar(10)
LiD	varchar(50)

V. Module Diagram



VI. Phân tích MD và dữ liệu của database

1. Assessment


	Column Name	Data Type	Allow Nulls
🔑	CiD	varchar(50)	<input type="checkbox"/>
🔑	Aid	nchar(10)	<input type="checkbox"/>

- Primary key(CiD,AiD)
- Là table quan hệ của **Course** và **Assessment_System**


2. Assessment system

- Primary key(AiD)
- AsID: Dữ liệu này có dạng: CCCSSS
 - + Vị trí CCC là biểu thị tên môn học ở dạng viết hoa các chữ cái đầu.
 - + Vị trí SSS là biểu thị tên đầu điểm đánh giá / bài test ở dạng viết hoa các chữ cái đầu.
 - + Ví dụ: DBIAS - môn học DBI202, đầu điểm là Assignment

- CaID: Tương ứng với CatID của bảng Categories, và là foreign key


	Column Name	Data Type	Allow Nulls
	Aid	nchar(10)	<input type="checkbox"/>
	CaID	varchar(50)	<input type="checkbox"/>
	type	varchar(50)	<input checked="" type="checkbox"/>
	part	varchar(50)	<input checked="" type="checkbox"/>
	[No question]	int	<input type="checkbox"/>
	LO	varchar(50)	<input checked="" type="checkbox"/>
	duration	varchar(50)	<input type="checkbox"/>
	[question type]	varchar(50)	<input checked="" type="checkbox"/>
	[Knowledge and skill]	varchar(150)	<input checked="" type="checkbox"/>
	[grading guide]	varchar(150)	<input checked="" type="checkbox"/>
	weight	float	<input checked="" type="checkbox"/>
	note	varchar(150)	<input checked="" type="checkbox"/>

3. Categories

	Column Name	Data Type	Allow Nulls
	CaID	varchar(50)	<input type="checkbox"/>
	category	varchar(150)	<input type="checkbox"/>
	type	varchar(50)	<input type="checkbox"/>
	[Completion Criteria]	varchar(50)	<input type="checkbox"/>


- Primary key(CaID)

4. Class

	Column Name	Data Type	Allow Nulls
	CLid	nchar(10)	<input type="checkbox"/>
	CiD	varchar(50)	<input type="checkbox"/>
	semester	varchar(50)	<input type="checkbox"/>



- Primary key(CLid)
- Foreign key(CiD)

5. Course

	Column Name	Data Type	Allow Nulls
	CiD	varchar(50)	<input type="checkbox"/>
	CourseName	varchar(150)	<input type="checkbox"/>


- Primary key(CiD)

6. Enroll

	Column Name	Data Type	Allow Nulls
	GiD	varchar(50)	<input type="checkbox"/>
	CLid	nchar(10)	<input type="checkbox"/>



- Primary key(GiD,CLiD)
- Là table quan hệ của **Group** và **Class**

7. Group

	Column Name	Data Type	Allow Nulls
	GiD	varchar(50)	<input type="checkbox"/>
	GroupName	varchar(50)	<input type="checkbox"/>
	[number of student]	varchar(50)	<input type="checkbox"/>


- Primary key(GiD)

8. Join

	Column Name	Data Type	Allow Nulls
	SiD	varchar(50)	<input type="checkbox"/>
	CLid	nchar(10)	<input type="checkbox"/>

- Primary key(SiD,CLiD)
- Là table quan hệ của **Student** và **Class**

9. Lecturer

	Column Name	Data Type	Allow Nulls
	LiD	varchar(50)	<input type="checkbox"/>
	LecturerName	varchar(150)	<input type="checkbox"/>
	mail	varchar(50)	<input checked="" type="checkbox"/>
	gender	bit	<input checked="" type="checkbox"/>
	dob	date	<input checked="" type="checkbox"/>

- Primary key(LiD)

10. Result

	Column Name	Data Type	Allow Nulls
🔑	Sid	varchar(50)	<input type="checkbox"/>
🔑	Aid	nchar(10)	<input type="checkbox"/>
	date	date	<input type="checkbox"/>
	Score	float	<input type="checkbox"/>
▶	status	bit	<input type="checkbox"/>

- Primary key(SiD,AiD)
- Là table quan hệ của **Student** và **Assessment_System**

11.Semester

	Column Name	Data Type	Allow Nulls
🔑	semester	varchar(50)	<input type="checkbox"/>
	[start date]	date	<input checked="" type="checkbox"/>
	[end date]	date	<input checked="" type="checkbox"/>

- Primary key(semester)

12. Student

	Column Name	Data Type	Allow Nulls
🔑	SiD	varchar(50)	<input type="checkbox"/>
	[First name]	varchar(150)	<input type="checkbox"/>
	[Last Name]	varchar(150)	<input checked="" type="checkbox"/>
	DoB	date	<input type="checkbox"/>
	gender	bit	<input type="checkbox"/>
	address	varchar(150)	<input checked="" type="checkbox"/>
	mail	varchar(50)	<input checked="" type="checkbox"/>

- Primary key(SiD)

13. Supervisor

	Column Name	Data Type	Allow Nulls
🔑	CLid	nchar(10)	<input type="checkbox"/>
🔑	LiD	varchar(50)	<input type="checkbox"/>

- Primary key(CLid,LiD)

- Là table quan hệ của **Class** và **Lecturer**

VII. Tạo Database và insert dữ liệu:

```
USE [AssignmentDBI]
GO

/***** Object:  Table [dbo].[Assessment]      Script Date: 7/17/2022
3:06:05 PM *****/

SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO

CREATE TABLE [dbo].[Assessment] (
    [CiD] [varchar] (50) NOT NULL,
    [Aid] [nchar] (10) NOT NULL,
    PRIMARY KEY CLUSTERED
(
    [CiD] ASC,
    [Aid] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY
= OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO

/***** Object:  Table [dbo].[Assessment system]  Script Date:
7/17/2022 3:06:06 PM *****/

SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO

CREATE TABLE [dbo].[Assessment system] (
    [Aid] [nchar] (10) NOT NULL,
    [CaID] [varchar] (50) NOT NULL,
    [type] [varchar] (50) NULL,
```



```

        [part] [varchar] (50) NULL,
        [No question] [int] NOT NULL,
        [LO] [varchar] (50) NULL,
        [duration] [varchar] (50) NOT NULL,
        [question type] [varchar] (50) NULL,
        [Knowledge and skill] [varchar] (150) NULL,
        [greading guide] [varchar] (150) NULL,
        [weight] [float] NULL,
        [note] [varchar] (150) NULL,
CONSTRAINT [PK_Assessment system] PRIMARY KEY CLUSTERED
(
        [Aid] ASC
)WITH (PAD_INDEX = OFF, STATISTICS NORECOMPUTE = OFF, IGNORE_DUP_KEY
= OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE FOR SEQUENTIAL KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO

/***** Object:  Table [dbo].[Categories]    Script Date: 7/17/2022
3:06:06 PM *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[Categories](
        [CaID] [varchar] (50) NOT NULL,
        [category] [varchar] (150) NOT NULL,
        [type] [varchar] (50) NOT NULL,
        [Completion Criteria] [varchar] (50) NOT NULL,
CONSTRAINT [PK_Categories] PRIMARY KEY CLUSTERED
(
        [CaID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS NORECOMPUTE = OFF, IGNORE_DUP_KEY
= OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE FOR SEQUENTIAL KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO

```

/***** Object: Table [dbo].[class] Script Date: 7/17/2022
3:06:06 PM *****/

SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

GO

CREATE TABLE [dbo].[class] (

[CLid] [nchar](10) NOT NULL,

[CiD] [varchar](50) NULL,

[semester] [varchar](50) NOT NULL,

CONSTRAINT [PK_class] PRIMARY KEY CLUSTERED

(

[CLid] ASC

)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON, OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY]

GO

/***** Object: Table [dbo].[course] Script Date: 7/17/2022
3:06:06 PM *****/

SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

GO

CREATE TABLE [dbo].[course] (

[CiD] [varchar](50) NOT NULL,

[CourseName] [varchar](150) NOT NULL,

CONSTRAINT [PK_course] PRIMARY KEY CLUSTERED

(

[CiD] ASC

)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON, OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY]

GO

/***** Object: Table [dbo].[enroll] Script Date: 7/17/2022
3:06:06 PM *****/

```
SET ANSI_NULLS ON
```

```
GO
```

```
SET QUOTED_IDENTIFIER ON
```

```
GO
```

```
CREATE TABLE [dbo].[enroll] (
```

```
    [GiD] [varchar](50) NOT NULL,
```

```
    [CLid] [nchar](10) NOT NULL,
```

```
    PRIMARY KEY CLUSTERED
```

```
(
```

```
    [CLid] ASC,
```

```
    [GiD] ASC
```

```
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON, OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
```

```
) ON [PRIMARY]
```

```
GO
```

```
/***** Object: Table [dbo].[group]    Script Date: 7/17/2022 3:06:06 PM *****/
```

```
SET ANSI_NULLS ON
```

```
GO
```

```
SET QUOTED_IDENTIFIER ON
```

```
GO
```

```
CREATE TABLE [dbo].[group] (
```

```
    [GiD] [varchar](50) NOT NULL,
```

```
    [GroupName] [varchar](50) NOT NULL,
```

```
    [number of student] [varchar](50) NOT NULL,
```

```
    CONSTRAINT [PK_group] PRIMARY KEY CLUSTERED
```

```
(
```

```
    [GiD] ASC
```

```
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON, OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
```

```
) ON [PRIMARY]
```

```
GO
```

```
/***** Object: Table [dbo].[join]    Script Date: 7/17/2022 3:06:06 PM *****/
```

```
SET ANSI_NULLS ON
```

GO

SET QUOTED_IDENTIFIER ON

GO

CREATE TABLE [dbo].[join] (

[SiD] [varchar] (50) NOT NULL,

[CLid] [nchar] (10) NOT NULL,

PRIMARY KEY CLUSTERED

(

[CLid] ASC,

[SiD] ASC

)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON, OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY]

GO

/***** Object: Table [dbo].[Lecturer] Script Date: 7/17/2022 3:06:06 PM *****/

SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Lecturer] (

[LiD] [varchar] (50) NOT NULL,

[LecturerName] [varchar] (150) NOT NULL,

[mail] [varchar] (50) NULL,

[gender] [bit] NULL,

[dob] [date] NULL,

CONSTRAINT [PK_Lecturer] PRIMARY KEY CLUSTERED

(

[LiD] ASC

)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON, OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY]

GO

/***** Object: Table [dbo].[result] Script Date: 7/17/2022 3:06:06 PM *****/

```
SET ANSI_NULLS ON
```

```
GO
```

```
SET QUOTED_IDENTIFIER ON
```

```
GO
```

```
CREATE TABLE [dbo].[result ] (
```

```
    [Sid] [varchar](50) NOT NULL,
```

```
    [Aid] [nchar](10) NOT NULL,
```

```
    [date] [date] NOT NULL,
```

```
    [Score] [float] NOT NULL,
```

```
PRIMARY KEY CLUSTERED
```

```
(
```

```
    [Aid] ASC,
```

```
    [Sid] ASC
```

```
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY  
= OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,  
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
```

```
) ON [PRIMARY]
```

```
GO
```

```
/***** Object: Table [dbo].[semester] Script Date: 7/17/2022  
3:06:06 PM *****/
```

```
SET ANSI_NULLS ON
```

```
GO
```

```
SET QUOTED_IDENTIFIER ON
```

```
GO
```

```
CREATE TABLE [dbo].[semester] (
```

```
    [semester] [varchar](50) NOT NULL,
```

```
    [start date] [date] NULL,
```

```
    [end date] [date] NULL,
```

```
CONSTRAINT [PK_semester] PRIMARY KEY CLUSTERED
```

```
(
```

```
    [semester] ASC
```

```
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY  
= OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,  
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
```

```
) ON [PRIMARY]
```

```
GO
```

```
/***** Object: Table [dbo].[student] Script Date: 7/17/2022
3:06:06 PM *****/
```

```
SET ANSI_NULLS ON
```

```
GO
```

```
SET QUOTED_IDENTIFIER ON
```

```
GO
```

```
CREATE TABLE [dbo].[student] (
```

```
    [SiD] [varchar](50) NOT NULL,
```

```
    [First name] [varchar](150) NOT NULL,
```

```
    [Last Name] [varchar](150) NULL,
```

```
    [DoB] [date] NOT NULL,
```

```
    [gender] [bit] NOT NULL,
```

```
    [address] [varchar](150) NULL,
```

```
    [mail] [varchar](50) NULL,
```

```
    CONSTRAINT [PK_student] PRIMARY KEY CLUSTERED
```

```
(
```

```
    [SiD] ASC
```

```
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY
= OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
```

```
) ON [PRIMARY]
```

```
GO
```

```
/***** Object: Table [dbo].[supervisor] Script Date: 7/17/2022
3:06:06 PM *****/
```

```
SET ANSI_NULLS ON
```

```
GO
```

```
SET QUOTED_IDENTIFIER ON
```

```
GO
```

```
CREATE TABLE [dbo].[supervisor] (
```

```
    [CLid] [nchar](10) NOT NULL,
```

```
    [LiD] [varchar](50) NOT NULL,
```

```
    PRIMARY KEY CLUSTERED
```

```
(
```

```
    [CLid] ASC,
```

```
    [LiD] ASC
```

```
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON, OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
```

```
) ON [PRIMARY]
```

```
GO
```

```
INSERT [dbo].[Assessment] ([CiD], [Aid]) VALUES (N'CEA201', N'CEAAS1')
```

```
GO
```

```
INSERT [dbo].[Assessment] ([CiD], [Aid]) VALUES (N'CEA201', N'CEAAS2')
```

```
GO
```

```
INSERT [dbo].[Assessment] ([CiD], [Aid]) VALUES (N'CEA201', N'CEAFE')
```

```
GO
```

```
INSERT [dbo].[Assessment] ([CiD], [Aid]) VALUES (N'CEA201', N'CEAPT1')
```

```
GO
```

```
INSERT [dbo].[Assessment] ([CiD], [Aid]) VALUES (N'CEA201', N'CEAPT2')
```

```
GO
```

```
INSERT [dbo].[Assessment] ([CiD], [Aid]) VALUES (N'csd201', N'CSDFE')
```

```
GO
```

```
INSERT [dbo].[Assessment] ([CiD], [Aid]) VALUES (N'csd201', N'CSDLAB1')
```

```
GO
```

```
INSERT [dbo].[Assessment] ([CiD], [Aid]) VALUES (N'csd201', N'CSDLAB2')
```

```
GO
```

```
INSERT [dbo].[Assessment] ([CiD], [Aid]) VALUES (N'csd201', N'CSDPE')
```

```
GO
```

```
INSERT [dbo].[Assessment] ([CiD], [Aid]) VALUES (N'csd201', N'CSDPT')
```

```
GO
```

```
INSERT [dbo].[Assessment] ([CiD], [Aid]) VALUES (N'CSI104', N'CSIAS1')
```

```
GO
```

```
INSERT [dbo].[Assessment] ([CiD], [Aid]) VALUES (N'CSI104', N'CSIAS2')
```

GO

```
INSERT [dbo].[Assessment] ([CiD], [Aid]) VALUES (N'CSI104', N'CSIFE')
```

GO

```
INSERT [dbo].[Assessment] ([CiD], [Aid]) VALUES (N'CSI104', N'CSILAB1')
```

GO

```
INSERT [dbo].[Assessment] ([CiD], [Aid]) VALUES (N'CSI104', N'CSILAB2')
```

GO

```
INSERT [dbo].[Assessment] ([CiD], [Aid]) VALUES (N'CSI104', N'CSIPT1')
```

GO

```
INSERT [dbo].[Assessment] ([CiD], [Aid]) VALUES (N'CSI104', N'CSIPT2')
```

GO

```
INSERT [dbo].[Assessment] ([CiD], [Aid]) VALUES (N'dbi202', N'DBIAS')
```

GO

```
INSERT [dbo].[Assessment] ([CiD], [Aid]) VALUES (N'dbi202', N'DBIFE')
```

GO

```
INSERT [dbo].[Assessment] ([CiD], [Aid]) VALUES (N'dbi202', N'DBILAB1')
```

GO

```
INSERT [dbo].[Assessment] ([CiD], [Aid]) VALUES (N'dbi202', N'DBILAB2')
```

GO

```
INSERT [dbo].[Assessment] ([CiD], [Aid]) VALUES (N'dbi202', N'DBIPT')
```

GO

```
INSERT [dbo].[Assessment] ([CiD], [Aid]) VALUES (N'iao202', N'IAOAS')
```

GO

```
INSERT [dbo].[Assessment] ([CiD], [Aid]) VALUES (N'iao202', N'IAOFE')
```

GO

```
INSERT [dbo].[Assessment] ([CiD], [Aid]) VALUES (N'iao202', N'IAOLAB1')
```

GO


```
INSERT [dbo].[Assessment] ([CiD], [Aid]) VALUES (N'iao202', N'IAOLAB2')
GO
```

GO

```
INSERT [dbo].[Assessment] ([CiD], [Aid]) VALUES (N'iao202', N'IAOPT1')
GO
```

GO

```
INSERT [dbo].[Assessment] ([CiD], [Aid]) VALUES (N'iao202', N'IAOPT2')
GO
```

GO

```
INSERT [dbo].[Assessment] ([CiD], [Aid]) VALUES (N'jpd113', N'JPDAS1')
GO
```

GO

```
INSERT [dbo].[Assessment] ([CiD], [Aid]) VALUES (N'jpd113', N'JPDAS2')
GO
```

GO

```
INSERT [dbo].[Assessment] ([CiD], [Aid]) VALUES (N'jpd113', N'JPDFE')
GO
```

GO

```
INSERT [dbo].[Assessment] ([CiD], [Aid]) VALUES (N'jpd113', N'JPDLAB1')
GO
```

GO

```
INSERT [dbo].[Assessment] ([CiD], [Aid]) VALUES (N'jpd113', N'JPDLAB2')
GO
```

GO

```
INSERT [dbo].[Assessment] ([CiD], [Aid]) VALUES (N'jpd113', N'JPDPT1')
GO
```

GO

```
INSERT [dbo].[Assessment] ([CiD], [Aid]) VALUES (N'jpd113', N'JPDPT2')
GO
```

GO

```
INSERT [dbo].[Assessment] ([CiD], [Aid]) VALUES (N'lab211', N'LABLOC')
GO
```

GO

```
INSERT [dbo].[Assessment] ([CiD], [Aid]) VALUES (N'MAD101', N'MADAS1')
GO
```

GO

```
INSERT [dbo].[Assessment] ([CiD], [Aid]) VALUES (N'MAD101', N'MADAS2')
GO
```

GO

```
INSERT [dbo].[Assessment] ([CiD], [Aid]) VALUES (N'MAD101', N'MADFE  
'')
```

```
GO
```

```
INSERT [dbo].[Assessment] ([CiD], [Aid]) VALUES (N'MAD101', N'MADLAB1  
'')
```

```
GO
```

```
INSERT [dbo].[Assessment] ([CiD], [Aid]) VALUES (N'MAD101', N'MADLAB2  
'')
```

```
GO
```

```
INSERT [dbo].[Assessment] ([CiD], [Aid]) VALUES (N'MAD101', N'MADPT1  
'')
```

```
GO
```

```
INSERT [dbo].[Assessment] ([CiD], [Aid]) VALUES (N'MAD101', N'MADPT2  
'')
```

```
GO
```

```
INSERT [dbo].[Assessment] ([CiD], [Aid]) VALUES (N'MAE101', N'MAEAS1  
'')
```

```
GO
```

```
INSERT [dbo].[Assessment] ([CiD], [Aid]) VALUES (N'MAE101', N'MAEAS2  
'')
```

```
GO
```

```
INSERT [dbo].[Assessment] ([CiD], [Aid]) VALUES (N'MAE101', N'MAEFE  
'')
```

```
GO
```

```
INSERT [dbo].[Assessment] ([CiD], [Aid]) VALUES (N'MAE101', N'MAELAB1  
'')
```

```
GO
```

```
INSERT [dbo].[Assessment] ([CiD], [Aid]) VALUES (N'MAE101', N'MAELAB2  
'')
```

```
GO
```

```
INSERT [dbo].[Assessment] ([CiD], [Aid]) VALUES (N'MAE101', N'MAEPT1  
'')
```

```
GO
```

```
INSERT [dbo].[Assessment] ([CiD], [Aid]) VALUES (N'MAE101', N'MAEPT2  
'')
```

```
GO
```

```
INSERT [dbo].[Assessment] ([CiD], [Aid]) VALUES (N'NWC204', N'NWCAS  
'')
```

```
GO
```

```
INSERT [dbo].[Assessment] ([CiD], [Aid]) VALUES (N'NWC204', N'NWCFE')
GO
```

```
INSERT [dbo].[Assessment] ([CiD], [Aid]) VALUES (N'NWC204', N'NWCLAB1')
GO
```

```
INSERT [dbo].[Assessment] ([CiD], [Aid]) VALUES (N'NWC204', N'NWCLAB2')
GO
```

```
INSERT [dbo].[Assessment] ([CiD], [Aid]) VALUES (N'NWC204', N'NWCPT1')
GO
```

```
INSERT [dbo].[Assessment] ([CiD], [Aid]) VALUES (N'NWC204', N'NWCPT2')
GO
```

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No question], [LO], [duration], [question type], [Knowledge and skill], [greading guide], [weight], [note]) VALUES (N'CEAAS1', N'AS1', N'', N'', 20, N'', N'30 mins', N'', N'', N'', 0.1, N'')
GO
```

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No question], [LO], [duration], [question type], [Knowledge and skill], [greading guide], [weight], [note]) VALUES (N'CEAAS2', N'AS2', N'', N'', 20, N'', N'30 mins', N'', N'', N'', 0.1, N'')
GO
```

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No question], [LO], [duration], [question type], [Knowledge and skill], [greading guide], [weight], [note]) VALUES (N'CEAFE', N'FE', N'', N'', 50, N'', N'90 mins', N'', N'', N'', 0.4, N'')
GO
```

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No question], [LO], [duration], [question type], [Knowledge and skill], [greading guide], [weight], [note]) VALUES (N'CEAPT1', N'PT1', N'', N'', 30, N'', N'60 mins', N'', N'', N'', 0.2, N'')
GO
```

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No question], [LO], [duration], [question type], [Knowledge and skill], [greading guide], [weight], [note]) VALUES (N'CEAPT2', N'PT2', N'', N'', 30, N'', N'60 mins', N'', N'', N'', 0.2, N'')
GO
```

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No question], [LO], [duration], [question type], [Knowledge and skill], [greading guide], [weight], [note]) VALUES (N'CSDFE', N'FE', NULL, NULL, 50, NULL, N'90 mins', NULL, NULL, NULL, 0.4, NULL)
GO
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'CSDLAB1      ', N'LAB1',  
NULL, NULL, 10, NULL, N'30 mins', NULL, NULL, NULL, 0.05, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'CSDLAB2      ', N'LAB2',  
NULL, NULL, 10, NULL, N'30 mins', NULL, NULL, NULL, 0.05, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'CSDPE        ', N'PE',  
NULL, NULL, 15, NULL, N'90 mins', NULL, NULL, NULL, 0.3, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'CSDPT        ', N'PT',  
NULL, NULL, 35, NULL, N'60 mins', NULL, NULL, NULL, 0.1, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'CSIAS1       ', N'AS1',  
NULL, NULL, 20, NULL, N'30 mins', NULL, NULL, NULL, 0.05, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'CSIAS2       ', N'AS2',  
NULL, NULL, 20, NULL, N'30 mins', NULL, NULL, NULL, 0.05, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'CSIFE        ', N'FE',  
NULL, NULL, 60, NULL, N'90 mins', NULL, NULL, NULL, 0.4, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'CSILAB1      ', N'LAB1',  
NULL, NULL, 10, NULL, N'30 mins', NULL, NULL, NULL, 0.1, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'CSILAB2      ', N'LAB2',  
NULL, NULL, 10, NULL, N'30 mins', NULL, NULL, NULL, 0.1, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'CSIPT1      ', N'PT1',  
NULL, NULL, 30, NULL, N'60 mins', NULL, NULL, NULL, 0.15, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'CSIPT2      ', N'PT2',  
NULL, NULL, 30, NULL, N'60 mins', NULL, NULL, NULL, 0.15, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'DBIAS      ', N'AS',  
NULL, NULL, 10, NULL, N'28 Slots', NULL, NULL, NULL, 0.2, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'DBIFE      ', N'FE',  
NULL, NULL, 60, NULL, N'90 mins', NULL, NULL, NULL, 0.4, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'DBILAB1    ', N'LAB1',  
NULL, NULL, 20, NULL, N'30 mins', NULL, NULL, NULL, 0.05, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'DBILAB2    ', N'LAB2',  
NULL, NULL, 20, NULL, N'30 mins', NULL, NULL, NULL, 0.05, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'DBIPT      ', N'PT',  
NULL, NULL, 40, NULL, N'60 mins', NULL, NULL, NULL, 0.3, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'IAOAS      ', N'AS',  
NULL, NULL, 30, NULL, N'45 mins', NULL, NULL, NULL, 0.1, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'IAOFE      ', N'FE',  
NULL, NULL, 60, NULL, N'90 mins', NULL, NULL, NULL, 0.4, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'IAOLAB1      ', N'LAB1',  
NULL, NULL, 15, NULL, N'30 mins', NULL, NULL, NULL, 0.05, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'IAOLAB2      ', N'LAB2',  
NULL, NULL, 15, NULL, N'30 mins', NULL, NULL, NULL, 0.05, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'IAOPT1       ', N'PT1',  
NULL, NULL, 40, NULL, N'60 mins', NULL, NULL, NULL, 0.2, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'IAOPT2       ', N'PT2',  
NULL, NULL, 40, NULL, N'60 mins', NULL, NULL, NULL, 0.2, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'JPDAS1       ', N'AS1',  
NULL, NULL, 10, NULL, N'30 mins', NULL, NULL, NULL, 0.05, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'JPDAS2       ', N'AS2',  
NULL, NULL, 10, NULL, N'30 mins', NULL, NULL, NULL, 0.05, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'JPDFE        ', N'FE',  
NULL, NULL, 10, NULL, N'30 mins', NULL, NULL, NULL, 0.4, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'JPDLAB1      ', N'LAB1',  
NULL, NULL, 15, NULL, N'30 mins', NULL, NULL, NULL, 0.05, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'JPDLAB2      ', N'LAB2',  
NULL, NULL, 15, NULL, N'30 mins', NULL, NULL, NULL, 0.05, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'JPDPT1      ', N'PT1',  
NULL, NULL, 30, NULL, N'60 mins', NULL, NULL, NULL, 0.2, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'JPDPT2      ', N'PT2',  
NULL, NULL, 30, NULL, N'60 mins', NULL, NULL, NULL, 0.2, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'LABLOC      ', N'LOC',  
NULL, NULL, 75, NULL, N'30 Slots', NULL, NULL, NULL, 1, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'MADAS1      ', N'AS1',  
NULL, NULL, 10, NULL, N'30 mins', NULL, NULL, NULL, 0.05, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'MADAS2      ', N'AS2',  
NULL, NULL, 10, NULL, N'30 mins', NULL, NULL, NULL, 0.05, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'MADFE       ', N'FE',  
NULL, NULL, 10, NULL, N'30 mins', NULL, NULL, NULL, 0.4, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'MADLAB1     ', N'LAB1',  
NULL, NULL, 15, NULL, N'30 mins', NULL, NULL, NULL, 0.05, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'MADLAB2     ', N'LAB2',  
NULL, NULL, 15, NULL, N'30 mins', NULL, NULL, NULL, 0.05, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'MADPT1      ', N'PT1',  
NULL, NULL, 30, NULL, N'60 mins', NULL, NULL, NULL, 0.2, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'MADPT2      ', N'PT2',  
NULL, NULL, 30, NULL, N'60 mins', NULL, NULL, NULL, 0.2, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'MAEAS1      ', N'AS1',  
NULL, NULL, 10, NULL, N'30 mins', NULL, NULL, NULL, 0.05, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'MAEAS2      ', N'AS2',  
NULL, NULL, 10, NULL, N'30 mins', NULL, NULL, NULL, 0.05, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'MAEFE      ', N'FE',  
NULL, NULL, 10, NULL, N'30 mins', NULL, NULL, NULL, 0.4, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'MAELAB1     ', N'LAB1',  
NULL, NULL, 15, NULL, N'30 mins', NULL, NULL, NULL, 0.05, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'MAELAB2     ', N'LAB2',  
NULL, NULL, 15, NULL, N'30 mins', NULL, NULL, NULL, 0.05, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'MAEPT1      ', N'PT1',  
NULL, NULL, 30, NULL, N'60 mins', NULL, NULL, NULL, 0.2, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'MAEPT2      ', N'PT2',  
NULL, NULL, 30, NULL, N'60 mins', NULL, NULL, NULL, 0.2, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'NWCAS      ', N'AS',  
NULL, NULL, 30, NULL, N'45 mins', NULL, NULL, NULL, 0.1, NULL)
```


GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'NWCFE      ', N'FE',  
NULL, NULL, 60, NULL, N'90 mins', NULL, NULL, NULL, 0.4, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'NWCLAB1    ', N'LAB1',  
NULL, NULL, 15, NULL, N'30 mins', NULL, NULL, NULL, 0.05, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'NWCLAB2    ', N'LAB2',  
NULL, NULL, 15, NULL, N'30 mins', NULL, NULL, NULL, 0.05, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'NWCPT1     ', N'PT1',  
NULL, NULL, 40, NULL, N'60 mins', NULL, NULL, NULL, 0.2, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'NWCPT2     ', N'PT2',  
NULL, NULL, 40, NULL, N'60 mins', NULL, NULL, NULL, 0.2, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'OSGAS      ', N'AS',  
NULL, NULL, 25, NULL, N'30 mins', NULL, NULL, NULL, 0.1, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'OSGFE      ', N'FE',  
NULL, NULL, 50, NULL, N'90 mins', NULL, NULL, NULL, 0.4, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'OSGLAB1    ', N'LAB1',  
NULL, NULL, 10, NULL, N'30 mins', NULL, NULL, NULL, 0.05, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'OSGLAB2    ', N'LAB2',  
NULL, NULL, 10, NULL, N'30 mins', NULL, NULL, NULL, 0.05, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'OSGPE      ', N'PE',  
NULL, NULL, 15, NULL, N'90 mins', NULL, NULL, NULL, 0.3, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'OSGPT      ', N'PT',  
NULL, NULL, 35, NULL, N'60 mins', NULL, NULL, NULL, 0.1, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'PRFAS      ', N'AS',  
NULL, NULL, 25, NULL, N'30 mins', NULL, NULL, NULL, 0.1, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'PRFFE      ', N'FE',  
NULL, NULL, 50, NULL, N'90 mins', NULL, NULL, NULL, 0.4, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'PRFLAB1    ', N'LAB1',  
NULL, NULL, 10, NULL, N'30 mins', NULL, NULL, NULL, 0.05, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'PRFLAB2    ', N'LAB2',  
NULL, NULL, 10, NULL, N'30 mins', NULL, NULL, NULL, 0.05, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'PRFPE      ', N'PE',  
NULL, NULL, 15, NULL, N'90 mins', NULL, NULL, NULL, 0.3, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'PRFPT      ', N'PT',  
NULL, NULL, 35, NULL, N'60 mins', NULL, NULL, NULL, 0.1, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'PROAS      ', N'AS',  
NULL, NULL, 25, NULL, N'30 mins', NULL, NULL, NULL, 0.1, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'PROFE      ', N'FE',  
NULL, NULL, 50, NULL, N'90 mins', NULL, NULL, NULL, 0.4, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'PROLAB1    ', N'LAB1',  
NULL, NULL, 10, NULL, N'30 mins', NULL, NULL, NULL, 0.05, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'PROLAB2    ', N'LAB2',  
NULL, NULL, 10, NULL, N'30 mins', NULL, NULL, NULL, 0.05, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'PROPE      ', N'PE',  
NULL, NULL, 15, NULL, N'90 mins', NULL, NULL, NULL, 0.3, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'PROPT      ', N'PT',  
NULL, NULL, 35, NULL, N'60 mins', NULL, NULL, NULL, 0.1, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'SSGAS1     ', N'AS1',  
NULL, NULL, 20, NULL, N'30 mins', NULL, NULL, NULL, 0.1, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'SSGAS2     ', N'AS2',  
NULL, NULL, 20, NULL, N'30 mins', NULL, NULL, NULL, 0.1, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'SSGFE      ', N'FE',  
NULL, NULL, 50, NULL, N'90 mins', NULL, NULL, NULL, 0.4, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'SSGPT1     ', N'PT1',  
NULL, NULL, 30, NULL, N'60 mins', NULL, NULL, NULL, 0.2, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'SSGPT2', N'PT2',  
NULL, NULL, 30, NULL, N'60 mins', NULL, NULL, NULL, 0.2, NULL)
```

GO

```
INSERT [dbo].[Assessment system] ([Aid], [CaID], [type], [part], [No  
question], [LO], [duration], [question type], [Knowledge and skill],  
[greading guide], [weight], [note]) VALUES (N'SSLFE', N'FE',  
NULL, NULL, 50, NULL, N'90 mins', NULL, NULL, NULL, 0.4, NULL)
```

GO

```
INSERT [dbo].[Categories] ([CaID], [category], [type], [Completion  
Criteria]) VALUES (N'AS', N'Assignment', N'On-Going', N'>0')
```

GO

```
INSERT [dbo].[Categories] ([CaID], [category], [type], [Completion  
Criteria]) VALUES (N'AS1', N'Assignment 1', N'On-Going', N'>0')
```

GO

```
INSERT [dbo].[Categories] ([CaID], [category], [type], [Completion  
Criteria]) VALUES (N'AS2', N'Assignment 2', N'On-Going', N'>0')
```

GO

```
INSERT [dbo].[Categories] ([CaID], [category], [type], [Completion  
Criteria]) VALUES (N'FE', N'Final Exam', N'Final Exam', N'>4')
```

GO

```
INSERT [dbo].[Categories] ([CaID], [category], [type], [Completion  
Criteria]) VALUES (N'FER', N'Final Exam Retake', N'Final Exam',  
N'>4')
```

GO

```
INSERT [dbo].[Categories] ([CaID], [category], [type], [Completion  
Criteria]) VALUES (N'LAB', N'Lab', N'On-Going', N'>0')
```

GO

```
INSERT [dbo].[Categories] ([CaID], [category], [type], [Completion  
Criteria]) VALUES (N'LAB1', N'Lab 1', N'On-Going', N'>0')
```

GO

```
INSERT [dbo].[Categories] ([CaID], [category], [type], [Completion  
Criteria]) VALUES (N'LAB2', N'Lab 2', N'On-Going', N'>0')
```

GO

```
INSERT [dbo].[Categories] ([CaID], [category], [type], [Completion  
Criteria]) VALUES (N'LOC', N'Line of Code', N'On-Going', N'>=750')
```

GO

```
INSERT [dbo].[Categories] ([CaID], [category], [type], [Completion  
Criteria]) VALUES (N'PE', N'Practical Exam', N'On-Going', N'>0')
```

GO

```
INSERT [dbo].[Categories] ([CaID], [category], [type], [Completion  
Criteria]) VALUES (N'PT', N'Progress Test', N'On-Going', N'>0')
```

GO

```
INSERT [dbo].[Categories] ([CaID], [category], [type], [Completion  
Criteria]) VALUES (N'PT1', N'Progress Test 1', N'On-Going', N'>0')
```

GO

```
INSERT [dbo].[Categories] ([CaID], [category], [type], [Completion  
Criteria]) VALUES (N'PT2', N'Progress Test 2', N'On-Going', N'>0')
```

GO

```
INSERT [dbo].[class] ([CLid], [CiD], [semester]) VALUES (N'FA21APRO  
, N'PRO192', N'FALL 2021')
```

GO

```
INSERT [dbo].[class] ([CLid], [CiD], [semester]) VALUES (N'FA21BIAO  
, N'iao202', N'FALL 2021')
```

GO

```
INSERT [dbo].[class] ([CLid], [CiD], [semester]) VALUES (N'FA21BNWC  
, N'NWC204', N'FALL 2021')
```

GO

```
INSERT [dbo].[class] ([CLid], [CiD], [semester]) VALUES (N'FA21CLAB  
, N'lab211', N'FALL 2021')
```

GO

```
INSERT [dbo].[class] ([CLid], [CiD], [semester]) VALUES (N'FA21DDBI  
, N'dbi202', N'FALL 2021')
```

GO

```
INSERT [dbo].[class] ([CLid], [CiD], [semester]) VALUES (N'FA21ECSD  
, N'csd201', N'FALL 2021')
```

GO

```
INSERT [dbo].[class] ([CLid], [CiD], [semester]) VALUES (N'FA21FJPD  
, N'jpd113', N'FALL 2021')
```

GO

```
INSERT [dbo].[class] ([CLid], [CiD], [semester]) VALUES (N'FA21GSSG  
, N'SSG104', N'FALL 2021')
```

GO

```
INSERT [dbo].[class] ([CLid], [CiD], [semester]) VALUES (N'FA21HOSG  
, N'OSG202', N'FALL 2021')
```

GO

```
INSERT [dbo].[class] ([CLid], [CiD], [semester]) VALUES (N'FA21HPRF  
, N'PRF192', N'FALL 2021')
```

GO

```
INSERT [dbo].[class] ([CLid], [CiD], [semester]) VALUES (N'FA21ICSI', N'CSI104', N'FALL 2021')
```

GO

```
INSERT [dbo].[class] ([CLid], [CiD], [semester]) VALUES (N'FA21IMAE', N'MAE101', N'FALL 2021')
```

GO

```
INSERT [dbo].[class] ([CLid], [CiD], [semester]) VALUES (N'FA21ISSL', N'SSL101c', N'FALL 2021')
```

GO

```
INSERT [dbo].[class] ([CLid], [CiD], [semester]) VALUES (N'FA21JMAD', N'MAD101', N'FALL 2021')
```

GO

```
INSERT [dbo].[class] ([CLid], [CiD], [semester]) VALUES (N'FA21KCEA', N'CEA201', N'FALL 2021')
```

GO

```
INSERT [dbo].[class] ([CLid], [CiD], [semester]) VALUES (N'SP22ACSD', N'csd201', N'SPRING 2022')
```

GO

```
INSERT [dbo].[class] ([CLid], [CiD], [semester]) VALUES (N'SP22ADBI', N'dbi202', N'SPRING 2022')
```

GO

```
INSERT [dbo].[class] ([CLid], [CiD], [semester]) VALUES (N'SP22APRO', N'PRO192', N'SPRING 2022')
```

GO

```
INSERT [dbo].[class] ([CLid], [CiD], [semester]) VALUES (N'SP22BCSD', N'csd201', N'SPRING 2022')
```

GO

```
INSERT [dbo].[class] ([CLid], [CiD], [semester]) VALUES (N'SP22BIAO', N'iao202', N'SPRING 2022')
```

GO

```
INSERT [dbo].[class] ([CLid], [CiD], [semester]) VALUES (N'SP22BNWC', N'NWC204', N'SPRING 2022')
```

GO

```
INSERT [dbo].[class] ([CLid], [CiD], [semester]) VALUES (N'SP22CLAB', N'lab211', N'SPRING 2022')
```

GO

```
INSERT [dbo].[class] ([CLid], [CiD], [semester]) VALUES (N'SP22DDBI', N'dbi202', N'SPRING 2022')
```

GO

```
INSERT [dbo].[class] ([CLid], [CiD], [semester]) VALUES (N'SP22DLAB', N'lab211', N'SPRING 2022')
```

GO

```
INSERT [dbo].[class] ([CLid], [CiD], [semester]) VALUES (N'SP22ECSD', N'csd201', N'SPRING 2022')
```

GO

```
INSERT [dbo].[class] ([CLid], [CiD], [semester]) VALUES (N'SP22FJPD', N'jpd113', N'SPRING 2022')
```

GO

```
INSERT [dbo].[class] ([CLid], [CiD], [semester]) VALUES (N'SP22FSSG', N'SSG104', N'SPRING 2022')
```

GO

```
INSERT [dbo].[class] ([CLid], [CiD], [semester]) VALUES (N'SP22GJPD', N'jpd113', N'SPRING 2022')
```

GO

```
INSERT [dbo].[class] ([CLid], [CiD], [semester]) VALUES (N'SP22GSSG', N'SSG104', N'SPRING 2022')
```

GO

```
INSERT [dbo].[class] ([CLid], [CiD], [semester]) VALUES (N'SP22HCEA', N'CEA201', N'SPRING 2022')
```

GO

```
INSERT [dbo].[class] ([CLid], [CiD], [semester]) VALUES (N'SP22HOSG', N'OSG202', N'SPRING 2022')
```

GO

```
INSERT [dbo].[class] ([CLid], [CiD], [semester]) VALUES (N'SP22HPRF', N'PRF192', N'SPRING 2022')
```

GO

```
INSERT [dbo].[class] ([CLid], [CiD], [semester]) VALUES (N'SP22IMAE', N'MAE101', N'SPRING 2022')
```

GO

```
INSERT [dbo].[class] ([CLid], [CiD], [semester]) VALUES (N'SP22ISSL', N'SSL101c', N'SPRING 2022')
```

GO

```
INSERT [dbo].[class] ([CLid], [CiD], [semester]) VALUES (N'SP22JCEA', N'CEA201', N'SPRING 2022')
```

GO

```
INSERT [dbo].[class] ([CLid], [CiD], [semester]) VALUES (N'SP22JMAE', N'MAD101', N'SPRING 2022')
```

GO

```
INSERT [dbo].[class] ([CLid], [CiD], [semester]) VALUES (N'SP22KCSI', N'CSI104', N'SPRING 2022')
```

GO

```
INSERT [dbo].[class] ([CLid], [CiD], [semester]) VALUES (N'SU21ACSD', N'csd201', N'SUMMER 2021')
```

GO

```
INSERT [dbo].[class] ([CLid], [CiD], [semester]) VALUES (N'SU21ADBI', N'dbi202', N'SUMMER 2021')
```

GO

```
INSERT [dbo].[class] ([CLid], [CiD], [semester]) VALUES (N'SU21APRO', N'PRO192', N'SUMMER 2021')
```

GO

```
INSERT [dbo].[class] ([CLid], [CiD], [semester]) VALUES (N'SU21BIAO', N'iao202', N'SUMMER 2021')
```

GO

```
INSERT [dbo].[class] ([CLid], [CiD], [semester]) VALUES (N'SU21BNWC', N'NWC204', N'SUMMER 2021')
```

GO

```
INSERT [dbo].[class] ([CLid], [CiD], [semester]) VALUES (N'SU21CLAB', N'lab211', N'SUMMER 2021')
```

GO

```
INSERT [dbo].[class] ([CLid], [CiD], [semester]) VALUES (N'SU21FJPD', N'jpd113', N'SUMMER 2021')
```

GO

```
INSERT [dbo].[class] ([CLid], [CiD], [semester]) VALUES (N'SU21FSSG', N'SSG104', N'SUMMER 2021')
```

GO

```
INSERT [dbo].[class] ([CLid], [CiD], [semester]) VALUES (N'SU21HOSG', N'OSG202', N'SUMMER 2021')
```

GO

```
INSERT [dbo].[class] ([CLid], [CiD], [semester]) VALUES (N'SU21HPRF', N'PRF192', N'SUMMER 2021')
```

GO

```
INSERT [dbo].[class] ([CLid], [CiD], [semester]) VALUES (N'SU21IMAE', N'MAE101', N'SUMMER 2021')
```

GO

```
INSERT [dbo].[class] ([CLid], [CiD], [semester]) VALUES (N'SU21ISSL', N'SSL101c', N'SUMMER 2021')
```

GO


```
INSERT [dbo].[class] ([CLid], [CiD], [semester]) VALUES (N'SU21JCEA', N'CEA201', N'SUMMER 2021')
```

GO

```
INSERT [dbo].[class] ([CLid], [CiD], [semester]) VALUES (N'SU21JMAD', N'MAD101', N'SUMMER 2021')
```

GO

```
INSERT [dbo].[class] ([CLid], [CiD], [semester]) VALUES (N'SU21KCSI', N'CSI104', N'SUMMER 2021')
```

GO

```
INSERT [dbo].[course] ([CiD], [CourseName]) VALUES (N'CEA201', N'Computer Organization and Architecture')
```

GO

```
INSERT [dbo].[course] ([CiD], [CourseName]) VALUES (N'csd201', N'Data Structures and Algorithms')
```

GO

```
INSERT [dbo].[course] ([CiD], [CourseName]) VALUES (N'CSI104', N'Introduction to Computer Science')
```

GO

```
INSERT [dbo].[course] ([CiD], [CourseName]) VALUES (N'dbi202', N'Introduction to Databases')
```

GO

```
INSERT [dbo].[course] ([CiD], [CourseName]) VALUES (N'iao202', N'Introduction to Information Assurance')
```

GO

```
INSERT [dbo].[course] ([CiD], [CourseName]) VALUES (N'jpd113', N'Elementary Japanese 1-A1.1')
```

GO

```
INSERT [dbo].[course] ([CiD], [CourseName]) VALUES (N'lab211', N'OOP with Java Lab')
```

GO

```
INSERT [dbo].[course] ([CiD], [CourseName]) VALUES (N'MAD101', N'Discrete mathematics')
```

GO

```
INSERT [dbo].[course] ([CiD], [CourseName]) VALUES (N'MAE101', N'Mathematics for Engineering')
```

GO

```
INSERT [dbo].[course] ([CiD], [CourseName]) VALUES (N'NWC204', N'Computer Networking')
```

GO

```
INSERT [dbo].[course] ([CiD], [CourseName]) VALUES (N'OSG202',  
N'Operating Systems')
```

```
GO
```

```
INSERT [dbo].[course] ([CiD], [CourseName]) VALUES (N'PRF192',  
N'Programming Fundamentals')
```

```
GO
```

```
INSERT [dbo].[course] ([CiD], [CourseName]) VALUES (N'PRO192',  
N'Object-Oriented Programming')
```

```
GO
```

```
INSERT [dbo].[course] ([CiD], [CourseName]) VALUES (N'SSG104',  
N'Communication and In-Group Working Skills')
```

```
GO
```

```
INSERT [dbo].[course] ([CiD], [CourseName]) VALUES (N'SSL101c',  
N'Academic Skills for University Success')
```

```
GO
```

```
INSERT [dbo].[enroll] ([GiD], [CLid]) VALUES (N'IA1604', N'FA21APRO'  
)
```

```
GO
```

```
INSERT [dbo].[enroll] ([GiD], [CLid]) VALUES (N'IOT1607', N'FA21BIAO'  
)
```

```
GO
```

```
INSERT [dbo].[enroll] ([GiD], [CLid]) VALUES (N'IA1604', N'FA21BNWC'  
)
```

```
GO
```

```
INSERT [dbo].[enroll] ([GiD], [CLid]) VALUES (N'IOT1607', N'FA21CLAB'  
)
```

```
GO
```

```
INSERT [dbo].[enroll] ([GiD], [CLid]) VALUES (N'IOT1607', N'FA21DDBI'  
)
```

```
GO
```

```
INSERT [dbo].[enroll] ([GiD], [CLid]) VALUES (N'IOT1607', N'FA21ECSD'  
)
```

```
GO
```

```
INSERT [dbo].[enroll] ([GiD], [CLid]) VALUES (N'IOT1607', N'FA21FJPD'  
)
```

```
GO
```

```
INSERT [dbo].[enroll] ([GiD], [CLid]) VALUES (N'IA1604', N'FA21HOSG'  
)
```

```
GO
```

```
INSERT [dbo].[enroll] ([GiD], [CLid]) VALUES (N'IA1608', N'FA21HPRE')

```

```
GO

```

```
INSERT [dbo].[enroll] ([GiD], [CLid]) VALUES (N'IA1608', N'FA21ICSI')

```

```
GO

```

```
INSERT [dbo].[enroll] ([GiD], [CLid]) VALUES (N'IA1608', N'FA21IMAE')

```

```
GO

```

```
INSERT [dbo].[enroll] ([GiD], [CLid]) VALUES (N'IA1608', N'FA21ISSI')

```

```
GO

```

```
INSERT [dbo].[enroll] ([GiD], [CLid]) VALUES (N'IA1604', N'FA21JMAD')

```

```
GO

```

```
INSERT [dbo].[enroll] ([GiD], [CLid]) VALUES (N'IA1608', N'FA21KCEA')

```

```
GO

```

```
INSERT [dbo].[enroll] ([GiD], [CLid]) VALUES (N'IA1604', N'SP22ADBI')

```

```
GO

```

```
INSERT [dbo].[enroll] ([GiD], [CLid]) VALUES (N'IA1608', N'SP22APRO')

```

```
GO

```

```
INSERT [dbo].[enroll] ([GiD], [CLid]) VALUES (N'IA1604', N'SP22BCSD')

```

```
GO

```

```
INSERT [dbo].[enroll] ([GiD], [CLid]) VALUES (N'IA1604', N'SP22BIAO')

```

```
GO

```

```
INSERT [dbo].[enroll] ([GiD], [CLid]) VALUES (N'IA1608', N'SP22BNWC')

```

```
GO

```

```
INSERT [dbo].[enroll] ([GiD], [CLid]) VALUES (N'IA1604', N'SP22CLAB')

```

```
GO

```

```
INSERT [dbo].[enroll] ([GiD], [CLid]) VALUES (N'IA1604', N'SP22FJPD')

```

```
GO

```

```
INSERT [dbo].[enroll] ([GiD], [CLid]) VALUES (N'IA1608', N'SP22GSSG')

```

```
GO

```

```
INSERT [dbo].[enroll] ([GiD], [CLid]) VALUES (N'IA1608', N'SP22HOSG')

```

```
GO

```

```
INSERT [dbo].[enroll] ([GiD], [CLid]) VALUES (N'AI1605', N'SP22HPRF')

```

```
GO

```

```
INSERT [dbo].[enroll] ([GiD], [CLid]) VALUES (N'AI1605', N'SP22IMAE')

```

```
GO

```

```
INSERT [dbo].[enroll] ([GiD], [CLid]) VALUES (N'AI1605', N'SP22ISSL')

```

```
GO

```

```
INSERT [dbo].[enroll] ([GiD], [CLid]) VALUES (N'AI1605', N'SP22JCEA')

```

```
GO

```

```
INSERT [dbo].[enroll] ([GiD], [CLid]) VALUES (N'IA1608', N'SP22JMAD')

```

```
GO

```

```
INSERT [dbo].[enroll] ([GiD], [CLid]) VALUES (N'AI1605', N'SP22KCSI')

```

```
GO

```

```
INSERT [dbo].[enroll] ([GiD], [CLid]) VALUES (N'IA1604', N'SU21HPRF')

```

```
GO

```

```
INSERT [dbo].[enroll] ([GiD], [CLid]) VALUES (N'IA1604', N'SU21IMAE')

```

```
GO

```

```
INSERT [dbo].[enroll] ([GiD], [CLid]) VALUES (N'IA1604', N'SU21ISSL')

```

```
GO

```

```
INSERT [dbo].[enroll] ([GiD], [CLid]) VALUES (N'IA1604', N'SU21JCEA')

```

```
GO

```

```
INSERT [dbo].[enroll] ([GiD], [CLid]) VALUES (N'IA1604', N'SU21KCSI')

```

```
GO

```

```
INSERT [dbo].[group] ([GiD], [GroupName], [number of student]) VALUES  
(N'AI1605', N'Artificial Intelligence', N'15')
```

```
GO
```

```
INSERT [dbo].[group] ([GiD], [GroupName], [number of student]) VALUES  
(N'IA1604', N'Information Assurance', N'15')
```

```
GO
```

```
INSERT [dbo].[group] ([GiD], [GroupName], [number of student]) VALUES  
(N'IA1608', N'Information Assurance', N'10')
```

```
GO
```

```
INSERT [dbo].[group] ([GiD], [GroupName], [number of student]) VALUES  
(N'IOT1607', N'Internet of Things', N'15')
```

```
GO
```

```
INSERT [dbo].[group] ([GiD], [GroupName], [number of student]) VALUES  
(N'SE1606', N'Software Engineering', N'20')
```

```
GO
```

```
INSERT [dbo].[group] ([GiD], [GroupName], [number of student]) VALUES  
(N'SE1609', N'Software Engineering', N'20')
```

```
GO
```

```
INSERT [dbo].[join] ([SiD], [CLid]) VALUES (N'HE00001', N'FA21APRO  
)
```

```
GO
```

```
INSERT [dbo].[join] ([SiD], [CLid]) VALUES (N'HE00002', N'FA21BIAO  
)
```

```
GO
```

```
INSERT [dbo].[join] ([SiD], [CLid]) VALUES (N'HE00003', N'FA21BNWC  
)
```

```
GO
```

```
INSERT [dbo].[join] ([SiD], [CLid]) VALUES (N'HE00004', N'FA21CLAB  
)
```

```
GO
```

```
INSERT [dbo].[join] ([SiD], [CLid]) VALUES (N'HE00005', N'FA21DDBI  
)
```

```
GO
```

```
INSERT [dbo].[join] ([SiD], [CLid]) VALUES (N'HE00006', N'FA21ECSD  
)
```

```
GO
```

```
INSERT [dbo].[join] ([SiD], [CLid]) VALUES (N'HE00007', N'FA21FJPD  
)
```

```
GO
```

```
INSERT [dbo].[join] ([SiD], [CLid]) VALUES (N'HE00008', N'FA21GSSG')
```

```
GO
```

```
INSERT [dbo].[join] ([SiD], [CLid]) VALUES (N'HE00009', N'FA21HOSG')
```

```
GO
```

```
INSERT [dbo].[join] ([SiD], [CLid]) VALUES (N'HE00010', N'FA21HPRF')
```

```
GO
```

```
INSERT [dbo].[join] ([SiD], [CLid]) VALUES (N'HE00011', N'FA21ICSI')
```

```
GO
```

```
INSERT [dbo].[join] ([SiD], [CLid]) VALUES (N'HE00012', N'FA21IMAE')
```

```
GO
```

```
INSERT [dbo].[join] ([SiD], [CLid]) VALUES (N'HE00013', N'FA21ISSL')
```

```
GO
```

```
INSERT [dbo].[join] ([SiD], [CLid]) VALUES (N'HE00014', N'FA21JMAD')
```

```
GO
```

```
INSERT [dbo].[join] ([SiD], [CLid]) VALUES (N'HE00015', N'FA21KCEA')
```

```
GO
```

```
INSERT [dbo].[join] ([SiD], [CLid]) VALUES (N'HE00016', N'SP22ACSD')
```

```
GO
```

```
INSERT [dbo].[join] ([SiD], [CLid]) VALUES (N'HE00017', N'SP22ADBI')
```

```
GO
```

```
INSERT [dbo].[join] ([SiD], [CLid]) VALUES (N'HE00018', N'SP22APRO')
```

```
GO
```

```
INSERT [dbo].[join] ([SiD], [CLid]) VALUES (N'HE00019', N'SP22BCSD')
```

```
GO
```

```
INSERT [dbo].[join] ([SiD], [CLid]) VALUES (N'HE00020', N'SP22BIAO')
```

```
GO
```

```
INSERT [dbo].[join] ([SiD], [CLid]) VALUES (N'HE00021', N'SP22BNWC')
```

```
GO
```

```
INSERT [dbo].[join] ([SiD], [CLid]) VALUES (N'HE00022', N'SP22CLAB')
```

```
GO
```

```
INSERT [dbo].[join] ([SiD], [CLid]) VALUES (N'HE00023', N'SP22DDBI')
```

```
GO
```

```
INSERT [dbo].[join] ([SiD], [CLid]) VALUES (N'HE00024', N'SP22DLAB')
```

```
GO
```

```
INSERT [dbo].[join] ([SiD], [CLid]) VALUES (N'HE00025', N'SP22ECSD')
```

```
GO
```

```
INSERT [dbo].[join] ([SiD], [CLid]) VALUES (N'HE00026', N'SP22FJPD')
```

```
GO
```

```
INSERT [dbo].[join] ([SiD], [CLid]) VALUES (N'HE00027', N'SP22FSSG')
```

```
GO
```

```
INSERT [dbo].[join] ([SiD], [CLid]) VALUES (N'HE00028', N'SP22GJPD')
```

```
GO
```

```
INSERT [dbo].[join] ([SiD], [CLid]) VALUES (N'HE00029', N'SP22GSSG')
```

```
GO
```

```
INSERT [dbo].[join] ([SiD], [CLid]) VALUES (N'HE00030', N'SP22HCEA')
```

```
GO
```

```
INSERT [dbo].[join] ([SiD], [CLid]) VALUES (N'HE00031', N'SP22HOSG')
```

```
GO
```

```
INSERT [dbo].[join] ([SiD], [CLid]) VALUES (N'HE00032', N'SP22HPRF')
```

```
GO
```

```
INSERT [dbo].[join] ([SiD], [CLid]) VALUES (N'HE00033', N'SP22IMAE')
```

```
GO
```

```
INSERT [dbo].[join] ([SiD], [CLid]) VALUES (N'HE00034', N'SP22ISSL')

```

```
GO

```

```
INSERT [dbo].[join] ([SiD], [CLid]) VALUES (N'HE00035', N'SP22JCEA')

```

```
GO

```

```
INSERT [dbo].[join] ([SiD], [CLid]) VALUES (N'HE00036', N'SP22JMAD')

```

```
GO

```

```
INSERT [dbo].[join] ([SiD], [CLid]) VALUES (N'HE00037', N'SP22KCSI')

```

```
GO

```

```
INSERT [dbo].[join] ([SiD], [CLid]) VALUES (N'HE00038', N'SU21ACSD')

```

```
GO

```

```
INSERT [dbo].[join] ([SiD], [CLid]) VALUES (N'HE00039', N'SU21ADBI')

```

```
GO

```

```
INSERT [dbo].[join] ([SiD], [CLid]) VALUES (N'HE00040', N'SU21APRO')

```

```
GO

```

```
INSERT [dbo].[join] ([SiD], [CLid]) VALUES (N'HE00041', N'SU21BIAO')

```

```
GO

```

```
INSERT [dbo].[join] ([SiD], [CLid]) VALUES (N'HE00042', N'SU21BNWC')

```

```
GO

```

```
INSERT [dbo].[join] ([SiD], [CLid]) VALUES (N'HE00043', N'SU21CLAB')

```

```
GO

```

```
INSERT [dbo].[join] ([SiD], [CLid]) VALUES (N'HE00044', N'SU21FJPD')

```

```
GO

```

```
INSERT [dbo].[join] ([SiD], [CLid]) VALUES (N'HE00045', N'SU21FSSG')

```

```
GO

```

```
INSERT [dbo].[join] ([SiD], [CLid]) VALUES (N'HE00046', N'SU21HOSG')

```

```
GO

```



```
INSERT [dbo].[join] ([SiD], [CLid]) VALUES (N'HE00047', N'SU21HPRE')
GO
```

```
INSERT [dbo].[join] ([SiD], [CLid]) VALUES (N'HE00048', N'SU21IMAE')
GO
```

```
INSERT [dbo].[join] ([SiD], [CLid]) VALUES (N'HE00049', N'SU21ISSI')
GO
```

```
INSERT [dbo].[join] ([SiD], [CLid]) VALUES (N'HE00050', N'SU21JCEA')
GO
```

```
INSERT [dbo].[Lecturer] ([LiD], [LecturerName], [mail], [gender], [dob]) VALUES (N'GVA', N'A', N'gva@fe.edu.vn', 1, CAST(N'1985-01-01' AS Date))
GO
```

```
INSERT [dbo].[Lecturer] ([LiD], [LecturerName], [mail], [gender], [dob]) VALUES (N'GVB', N'B', N'gvb@fe.edu.vn', 0, CAST(N'1985-01-02' AS Date))
GO
```

```
INSERT [dbo].[Lecturer] ([LiD], [LecturerName], [mail], [gender], [dob]) VALUES (N'GVC', N'C', N'gvc@fe.edu.vn', 1, CAST(N'1985-01-03' AS Date))
GO
```

```
INSERT [dbo].[Lecturer] ([LiD], [LecturerName], [mail], [gender], [dob]) VALUES (N'GVD', N'D', N'gvd@fe.edu.vn', 0, CAST(N'1985-01-04' AS Date))
GO
```

```
INSERT [dbo].[Lecturer] ([LiD], [LecturerName], [mail], [gender], [dob]) VALUES (N'GVE', N'E', N'gve@fe.edu.vn', 1, CAST(N'1985-01-05' AS Date))
GO
```

```
INSERT [dbo].[Lecturer] ([LiD], [LecturerName], [mail], [gender], [dob]) VALUES (N'GVF', N'F', N'gvf@fe.edu.vn', 0, CAST(N'1985-01-06' AS Date))
GO
```

```
INSERT [dbo].[Lecturer] ([LiD], [LecturerName], [mail], [gender], [dob]) VALUES (N'GVG', N'G', N'gvg@fe.edu.vn', 1, CAST(N'1985-01-07' AS Date))
GO
```

```
INSERT [dbo].[Lecturer] ([LiD], [LecturerName], [mail], [gender],  
[dob]) VALUES (N'GVH', N'H', N'gvh@fe.edu.vn', 0, CAST(N'1985-01-08'  
AS Date))
```

```
GO
```

```
INSERT [dbo].[Lecturer] ([LiD], [LecturerName], [mail], [gender],  
[dob]) VALUES (N'GVI', N'I', N'gvi@fe.edu.vn', 1, CAST(N'1985-01-09'  
AS Date))
```

```
GO
```

```
INSERT [dbo].[Lecturer] ([LiD], [LecturerName], [mail], [gender],  
[dob]) VALUES (N'GVJ', N'J', N'gvj@fe.edu.vn', 0, CAST(N'1985-01-10'  
AS Date))
```

```
GO
```

```
INSERT [dbo].[Lecturer] ([LiD], [LecturerName], [mail], [gender],  
[dob]) VALUES (N'GVK', N'K', N'gvk@fe.edu.vn', 1, CAST(N'1985-01-11'  
AS Date))
```

```
GO
```

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES  
(N'HE00001', N'CSDFE', CAST(N'2022-04-01' AS Date), 8)
```

```
GO
```

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES  
(N'HE00002', N'CSDFE', CAST(N'2022-04-01' AS Date), 4.5)
```

```
GO
```

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES  
(N'HE00003', N'CSDFE', CAST(N'2022-04-01' AS Date), 7.5)
```

```
GO
```

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES  
(N'HE00001', N'CSDLAB1', CAST(N'2022-04-01' AS Date), 7.5)
```

```
GO
```

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES  
(N'HE00002', N'CSDLAB1', CAST(N'2022-04-01' AS Date), 3.3)
```

```
GO
```

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES  
(N'HE00003', N'CSDLAB1', CAST(N'2022-04-01' AS Date), 7.3)
```

```
GO
```

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES  
(N'HE00001', N'CSDLAB2', CAST(N'2022-04-01' AS Date), 6)
```

```
GO
```

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES  
(N'HE00002', N'CSDLAB2', CAST(N'2022-04-01' AS Date), 2.6)
```

```
GO
```

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00003', N'CSDLAB2      ', CAST(N'2022-04-01' AS Date), 8.6)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'CSDPE        ', CAST(N'2022-04-01' AS Date), 8)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'CSDPE        ', CAST(N'2022-04-01' AS Date), 3.3)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00003', N'CSDPE        ', CAST(N'2022-04-01' AS Date), 9.3)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'CSDPT        ', CAST(N'2022-04-01' AS Date), 8.5)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'CSDPT        ', CAST(N'2022-04-01' AS Date), 4.4)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00003', N'CSDPT        ', CAST(N'2022-04-01' AS Date), 9.4)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'CSIAS1       ', CAST(N'2021-08-01' AS Date), 7)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'CSIAS1       ', CAST(N'2021-08-01' AS Date), 7.5)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00003', N'CSIAS1       ', CAST(N'2021-08-01' AS Date), 8.6)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'CSIAS2       ', CAST(N'2021-08-01' AS Date), 9)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'CSIAS2       ', CAST(N'2021-08-01' AS Date), 6.3)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00003', N'CSIAS2       ', CAST(N'2021-08-01' AS Date), 9.7)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'CSIFE      ', CAST(N'2021-08-01' AS Date), 10)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'CSIFE      ', CAST(N'2021-08-01' AS Date), 7.5)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00003', N'CSIFE      ', CAST(N'2021-08-01' AS Date), 8.8)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'CSILAB1    ', CAST(N'2021-08-01' AS Date), 10)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'CSILAB1    ', CAST(N'2021-08-01' AS Date), 5.7)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00003', N'CSILAB1    ', CAST(N'2021-08-01' AS Date), 7.6)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'CSILAB2    ', CAST(N'2021-08-01' AS Date), 0.5)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'CSILAB2    ', CAST(N'2021-08-01' AS Date), 8.3)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00003', N'CSILAB2    ', CAST(N'2021-08-01' AS Date), 8.3)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'CSIPT1     ', CAST(N'2021-08-01' AS Date), 8)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'CSIPT1     ', CAST(N'2021-08-01' AS Date), 9.4)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00003', N'CSIPT1     ', CAST(N'2021-08-01' AS Date), 9.3)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'CSIPT2     ', CAST(N'2021-08-01' AS Date), 9)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'CSIPT2      ', CAST(N'2021-08-01' AS Date), 7.7)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00003', N'CSIPT2      ', CAST(N'2021-08-01' AS Date), 7)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'DBIAS      ', CAST(N'2022-04-01' AS Date), 9.5)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'DBIAS      ', CAST(N'2022-04-01' AS Date), 5.8)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00003', N'DBIAS      ', CAST(N'2022-04-01' AS Date), 8.8)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'DBIFE      ', CAST(N'2022-04-01' AS Date), 10)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'DBIFE      ', CAST(N'2022-04-01' AS Date), 2.7)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00003', N'DBIFE      ', CAST(N'2022-04-01' AS Date), 8.7)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'DBILAB1    ', CAST(N'2022-04-01' AS Date), 9.6)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'DBILAB1    ', CAST(N'2022-04-01' AS Date), 5.6)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00003', N'DBILAB1    ', CAST(N'2022-04-01' AS Date), 8.6)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'DBILAB2    ', CAST(N'2022-04-01' AS Date), 7.5)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'DBILAB2    ', CAST(N'2022-04-01' AS Date), 2.5)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00003', N'DBILAB2      ', CAST(N'2022-04-01' AS Date), 9.5)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'DBIPT        ', CAST(N'2022-04-01' AS Date), 8.8)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'DBIPT        ', CAST(N'2022-04-01' AS Date), 4.4)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00003', N'DBIPT        ', CAST(N'2022-04-01' AS Date), 8.4)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'IAOAS        ', CAST(N'2022-04-01' AS Date), 9.6)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'IAOAS        ', CAST(N'2022-04-01' AS Date), 1.3)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00003', N'IAOAS        ', CAST(N'2022-04-01' AS Date), 8.3)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'IAOFE        ', CAST(N'2022-04-01' AS Date), 5.8)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'IAOFE        ', CAST(N'2022-04-01' AS Date), 3.2)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00003', N'IAOFE        ', CAST(N'2022-04-01' AS Date), 9.2)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'IAOLAB1     ', CAST(N'2022-04-01' AS Date), 8)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'IAOLAB1     ', CAST(N'2022-04-01' AS Date), 4.1)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00003', N'IAOLAB1     ', CAST(N'2022-04-01' AS Date), 9.1)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'IAOLAB2      ', CAST(N'2022-04-01' AS Date), 9)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'IAOLAB2      ', CAST(N'2022-04-01' AS Date), 8.8)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00003', N'IAOLAB2      ', CAST(N'2022-04-01' AS Date), 8.8)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'IAOPT1       ', CAST(N'2022-04-01' AS Date), 7)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'IAOPT1       ', CAST(N'2022-04-01' AS Date), 2.9)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00003', N'IAOPT1       ', CAST(N'2022-04-01' AS Date), 9.9)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'IAOPT2       ', CAST(N'2022-04-01' AS Date), 6.6)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'IAOPT2       ', CAST(N'2022-04-01' AS Date), 1.8)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00003', N'IAOPT2       ', CAST(N'2022-04-01' AS Date), 9.8)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'JPDAS1       ', CAST(N'2022-04-01' AS Date), 8)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'JPDAS1       ', CAST(N'2022-04-01' AS Date), 2.8)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00003', N'JPDAS1       ', CAST(N'2022-04-01' AS Date), 8.8)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'JPDAS2       ', CAST(N'2022-04-01' AS Date), 9)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'JPDAS2      ', CAST(N'2022-04-01' AS Date), 4.6)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00003', N'JPDAS2      ', CAST(N'2022-04-01' AS Date), 8.6)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'JPDFE       ', CAST(N'2022-04-01' AS Date), 10)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'JPDFE       ', CAST(N'2022-04-01' AS Date), 5.2)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00003', N'JPDFE       ', CAST(N'2022-04-01' AS Date), 7.2)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'JPDLAB1     ', CAST(N'2022-04-01' AS Date), 8.9)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'JPDLAB1     ', CAST(N'2022-04-01' AS Date), 3.2)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00003', N'JPDLAB1     ', CAST(N'2022-04-01' AS Date), 7.2)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'JPDLAB2     ', CAST(N'2022-04-01' AS Date), 9.7)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'JPDLAB2     ', CAST(N'2022-04-01' AS Date), 5.3)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00003', N'JPDLAB2     ', CAST(N'2022-04-01' AS Date), 9.3)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'JPDPT1      ', CAST(N'2022-04-01' AS Date), 9.5)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'JPDPT1      ', CAST(N'2022-04-01' AS Date), 2.3)
```

GO


```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00003', N'JPDPT1      ', CAST(N'2022-04-01' AS Date), 8.3)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'JPDPT2      ', CAST(N'2022-04-01' AS Date), 8)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'JPDPT2      ', CAST(N'2022-04-01' AS Date), 5.6)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00003', N'JPDPT2      ', CAST(N'2022-04-01' AS Date), 7.6)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'LABLOC      ', CAST(N'2022-04-01' AS Date), 750)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'LABLOC      ', CAST(N'2022-04-01' AS Date), 120)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00003', N'LABLOC      ', CAST(N'2022-04-01' AS Date), 900)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'MADAS1      ', CAST(N'2021-12-01' AS Date), 7.8)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'MADAS1      ', CAST(N'2021-12-01' AS Date), 6.6)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00003', N'MADAS1      ', CAST(N'2021-12-01' AS Date), 5.1)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'MADAS2      ', CAST(N'2021-12-01' AS Date), 8.5)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'MADAS2      ', CAST(N'2021-12-01' AS Date), 7.2)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00003', N'MADAS2      ', CAST(N'2021-12-01' AS Date), 7.2)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'MADFE      ', CAST(N'2021-12-01' AS Date), 9)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'MADFE      ', CAST(N'2021-12-01' AS Date), 6.6)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00003', N'MADFE      ', CAST(N'2021-12-01' AS Date), 7.3)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'MADLAB1    ', CAST(N'2021-12-01' AS Date), 9.7)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'MADLAB1    ', CAST(N'2021-12-01' AS Date), 8.4)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00003', N'MADLAB1    ', CAST(N'2021-12-01' AS Date), 6.2)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'MADLAB2    ', CAST(N'2021-12-01' AS Date), 5.6)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'MADLAB2    ', CAST(N'2021-12-01' AS Date), 7.8)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00003', N'MADLAB2    ', CAST(N'2021-12-01' AS Date), 5.5)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'MADPT1     ', CAST(N'2021-12-01' AS Date), 7.8)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'MADPT1     ', CAST(N'2021-12-01' AS Date), 6.6)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00003', N'MADPT1     ', CAST(N'2021-12-01' AS Date), 3.2)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'MADPT2     ', CAST(N'2021-12-01' AS Date), 9.8)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'MADPT2      ', CAST(N'2021-12-01' AS Date), 7.4)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00003', N'MADPT2      ', CAST(N'2021-12-01' AS Date), 3.4)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'MAEAS1      ', CAST(N'2021-08-01' AS Date), 10)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'MAEAS1      ', CAST(N'2021-08-01' AS Date), 5.9)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00003', N'MAEAS1      ', CAST(N'2021-08-01' AS Date), 9.4)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'MAEAS2      ', CAST(N'2021-08-01' AS Date), 6.4)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'MAEAS2      ', CAST(N'2021-08-01' AS Date), 6.8)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00003', N'MAEAS2      ', CAST(N'2021-08-01' AS Date), 9.3)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'MAEFE      ', CAST(N'2021-08-01' AS Date), 2.5)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'MAEFE      ', CAST(N'2021-08-01' AS Date), 7.6)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00003', N'MAEFE      ', CAST(N'2021-08-01' AS Date), 9.2)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'MAELAB1     ', CAST(N'2021-08-01' AS Date), 7.4)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'MAELAB1     ', CAST(N'2021-08-01' AS Date), 6.5)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00003', N'MAELAB1      ', CAST(N'2021-08-01' AS Date), 9.1)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'MAELAB2      ', CAST(N'2021-08-01' AS Date), 7.8)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'MAELAB2      ', CAST(N'2021-08-01' AS Date), 7.6)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'MAEPT1       ', CAST(N'2021-08-01' AS Date), 9.2)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'MAEPT1       ', CAST(N'2021-08-01' AS Date), 6.8)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'MAEPT2       ', CAST(N'2021-08-01' AS Date), 5.7)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'MAEPT2       ', CAST(N'2021-08-01' AS Date), 9.2)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'NWCAS        ', CAST(N'2021-12-01' AS Date), 10)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'NWCAS        ', CAST(N'2021-12-01' AS Date), 8.4)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'NWCFE        ', CAST(N'2021-12-01' AS Date), 9)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'NWCFE        ', CAST(N'2021-12-01' AS Date), 6.8)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'NWCLAB1      ', CAST(N'2021-12-01' AS Date), 8.5)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'NWCLAB1      ', CAST(N'2021-12-01' AS Date), 7.5)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'NWCLAB2      ', CAST(N'2021-12-01' AS Date), 7.6)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'NWCLAB2      ', CAST(N'2021-12-01' AS Date), 9.7)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'NWCPT1       ', CAST(N'2021-12-01' AS Date), 8.6)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'NWCPT1       ', CAST(N'2021-12-01' AS Date), 8.4)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'NWCPT2       ', CAST(N'2021-12-01' AS Date), 7.8)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'NWCPT2       ', CAST(N'2021-12-01' AS Date), 6.3)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'OSGAS        ', CAST(N'2021-12-01' AS Date), 9.4)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'OSGAS        ', CAST(N'2021-12-01' AS Date), 7.6)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'OSGFE        ', CAST(N'2021-12-01' AS Date), 7.8)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'OSGFE        ', CAST(N'2021-12-01' AS Date), 8.3)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'OSGLAB1      ', CAST(N'2021-12-01' AS Date), 8.2)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'OSGLAB1      ', CAST(N'2021-12-01' AS Date), 6.7)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'OSGLAB2      ', CAST(N'2021-12-01' AS Date), 6.8)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'OSGLAB2      ', CAST(N'2021-12-01' AS Date), 7.9)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'OSGPE       ', CAST(N'2021-12-01' AS Date), 7.2)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'OSGPE       ', CAST(N'2021-12-01' AS Date), 6.8)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'OSGPT       ', CAST(N'2021-12-01' AS Date), 8.2)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'OSGPT       ', CAST(N'2021-12-01' AS Date), 9.5)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'PRFAS       ', CAST(N'2021-08-01' AS Date), 3.3)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'PRFAS       ', CAST(N'2021-08-01' AS Date), 9.4)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'PRFFE       ', CAST(N'2021-08-01' AS Date), 8.6)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'PRFFE       ', CAST(N'2021-08-01' AS Date), 6.6)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'PRFLAB1     ', CAST(N'2021-08-01' AS Date), 4.5)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'PRFLAB1     ', CAST(N'2021-08-01' AS Date), 5.2)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'PRFLAB2     ', CAST(N'2021-08-01' AS Date), 7.5)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'PRFLAB2     ', CAST(N'2021-08-01' AS Date), 8.2)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'PRFPE      ', CAST(N'2021-08-01' AS Date), 8.6)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'PRFPE      ', CAST(N'2021-08-01' AS Date), 7.7)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'PRFPT      ', CAST(N'2021-08-01' AS Date), 8.7)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'PRFPT      ', CAST(N'2021-08-01' AS Date), 5.3)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'PROAS      ', CAST(N'2021-12-01' AS Date), 10)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'PROAS      ', CAST(N'2021-12-01' AS Date), 8.6)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'PROFE      ', CAST(N'2021-12-01' AS Date), 9)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'PROFE      ', CAST(N'2021-12-01' AS Date), 8.8)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'PROLAB1    ', CAST(N'2021-12-01' AS Date), 9.4)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'PROLAB1    ', CAST(N'2021-12-01' AS Date), 6.7)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'PROLAB2    ', CAST(N'2021-12-01' AS Date), 7.5)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'PROLAB2    ', CAST(N'2021-12-01' AS Date), 8.6)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'PROPE      ', CAST(N'2021-12-01' AS Date), 8.5)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'PROPE      ', CAST(N'2021-12-01' AS Date), 7.9)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'PROPT      ', CAST(N'2021-12-01' AS Date), 6.5)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'PROPT      ', CAST(N'2021-12-01' AS Date), 8.5)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00001', N'SSLFE      ', CAST(N'2021-08-01' AS Date), 8.9)
```

GO

```
INSERT [dbo].[result ] ([Sid], [Aid], [date], [Score]) VALUES
(N'HE00002', N'SSLFE      ', CAST(N'2021-08-01' AS Date), 9.6)
```

GO

```
INSERT [dbo].[semester] ([semester], [start date], [end date]) VALUES
(N'FALL 2021', CAST(N'2021-09-01' AS Date), CAST(N'2021-12-01' AS
Date))
```

GO

```
INSERT [dbo].[semester] ([semester], [start date], [end date]) VALUES
(N'SPRING 2022', CAST(N'2022-01-01' AS Date), CAST(N'2022-04-01' AS
Date))
```

GO

```
INSERT [dbo].[semester] ([semester], [start date], [end date]) VALUES
(N'SUMMER 2021', CAST(N'2021-05-01' AS Date), CAST(N'2021-08-01' AS
Date))
```

GO

```
INSERT [dbo].[student] ([SiD], [First name], [Last Name], [DoB],
[gender], [address], [mail]) VALUES (N'HE00001', N'Nguyen Van', N'A',
CAST(N'2002-01-01' AS Date), 1, N'hanoi', N'anv@fpt.edu.vn')
```

GO

```
INSERT [dbo].[student] ([SiD], [First name], [Last Name], [DoB],
[gender], [address], [mail]) VALUES (N'HE00002', N'Nguyen Van', N'B',
CAST(N'2002-01-02' AS Date), 1, N'hanoi', N'bnv@fpt.edu.vn')
```

GO

```
INSERT [dbo].[student] ([SiD], [First name], [Last Name], [DoB],
[gender], [address], [mail]) VALUES (N'HE00003', N'Nguyen Van', N'C',
CAST(N'2002-01-13' AS Date), 1, N'hanoi', N'cnv@fpt.edu.vn')
```

GO

```
INSERT [dbo].[student] ([SiD], [First name], [Last Name], [DoB],
[gender], [address], [mail]) VALUES (N'HE00004', N'Nguyen Van', N'D',
CAST(N'2002-01-04' AS Date), 1, N'hanoi', N'dnv@fpt.edu.vn')
```


GO

```
INSERT [dbo].[student] ([SiD], [First name], [Last Name], [DoB],  
[gender], [address], [mail]) VALUES (N'HE00005', N'Nguyen Van', N'E',  
CAST(N'2002-01-05' AS Date), 1, N'hanoi', N'env@fpt.edu.vn')
```

GO

```
INSERT [dbo].[student] ([SiD], [First name], [Last Name], [DoB],  
[gender], [address], [mail]) VALUES (N'HE00006', N'Nguyen Van', N'F',  
CAST(N'2002-01-06' AS Date), 1, N'hanoi', N'fnv@fpt.edu.vn')
```

GO

```
INSERT [dbo].[student] ([SiD], [First name], [Last Name], [DoB],  
[gender], [address], [mail]) VALUES (N'HE00007', N'Nguyen Van', N'G',  
CAST(N'2002-01-07' AS Date), 1, N'hanoi', N'gnv@fpt.edu.vn')
```

GO

```
INSERT [dbo].[student] ([SiD], [First name], [Last Name], [DoB],  
[gender], [address], [mail]) VALUES (N'HE00008', N'Nguyen Van', N'H',  
CAST(N'2002-01-08' AS Date), 1, N'hanoi', N'hnv@fpt.edu.vn')
```

GO

```
INSERT [dbo].[student] ([SiD], [First name], [Last Name], [DoB],  
[gender], [address], [mail]) VALUES (N'HE00009', N'Nguyen Van', N'I',  
CAST(N'2002-01-09' AS Date), 1, N'hanoi', N'inv@fpt.edu.vn')
```

GO

```
INSERT [dbo].[student] ([SiD], [First name], [Last Name], [DoB],  
[gender], [address], [mail]) VALUES (N'HE00010', N'Nguyen Van', N'J',  
CAST(N'2002-01-10' AS Date), 1, N'hanoi', N'jnv@fpt.edu.vn')
```

GO

```
INSERT [dbo].[student] ([SiD], [First name], [Last Name], [DoB],  
[gender], [address], [mail]) VALUES (N'HE00011', N'Nguyen Van', N'K',  
CAST(N'2002-01-11' AS Date), 1, N'hanoi', N'knv@fpt.edu.vn')
```

GO

```
INSERT [dbo].[student] ([SiD], [First name], [Last Name], [DoB],  
[gender], [address], [mail]) VALUES (N'HE00012', N'Nguyen Van', N'L',  
CAST(N'2002-01-12' AS Date), 1, N'hanoi', N'lnv@fpt.edu.vn')
```

GO

```
INSERT [dbo].[student] ([SiD], [First name], [Last Name], [DoB],  
[gender], [address], [mail]) VALUES (N'HE00013', N'Nguyen Van', N'M',  
CAST(N'2002-01-13' AS Date), 1, N'hanoi', N'mnv@fpt.edu.vn')
```

GO

```
INSERT [dbo].[student] ([SiD], [First name], [Last Name], [DoB],  
[gender], [address], [mail]) VALUES (N'HE00014', N'Nguyen Van', N'N',  
CAST(N'2002-01-14' AS Date), 1, N'hanoi', N'nnv@fpt.edu.vn')
```

GO

```
INSERT [dbo].[student] ([SiD], [First name], [Last Name], [DoB],  
[gender], [address], [mail]) VALUES (N'HE00015', N'Nguyen Van', N'O',  
CAST(N'2002-01-15' AS Date), 1, N'hanoi', N'mnv@fpt.edu.vn')
```

GO

```
INSERT [dbo].[student] ([SiD], [First name], [Last Name], [DoB],  
[gender], [address], [mail]) VALUES (N'HE00016', N'Nguyen Van', N'P',  
CAST(N'2002-01-16' AS Date), 1, N'hanoi', N'pnv@fpt.edu.vn')
```

GO

```
INSERT [dbo].[student] ([SiD], [First name], [Last Name], [DoB],  
[gender], [address], [mail]) VALUES (N'HE00017', N'Nguyen Van', N'Q',  
CAST(N'2002-01-17' AS Date), 1, N'hanoi', N'qnv@fpt.edu.vn')
```

GO

```
INSERT [dbo].[student] ([SiD], [First name], [Last Name], [DoB],  
[gender], [address], [mail]) VALUES (N'HE00018', N'Nguyen Van', N'R',  
CAST(N'2002-01-18' AS Date), 1, N'hanoi', N'rnv@fpt.edu.vn')
```

GO

```
INSERT [dbo].[student] ([SiD], [First name], [Last Name], [DoB],  
[gender], [address], [mail]) VALUES (N'HE00019', N'Nguyen Van', N'S',  
CAST(N'2002-01-19' AS Date), 1, N'hanoi', N'snv@fpt.edu.vn')
```

GO

```
INSERT [dbo].[student] ([SiD], [First name], [Last Name], [DoB],  
[gender], [address], [mail]) VALUES (N'HE00020', N'Nguyen Van', N'T',  
CAST(N'2002-01-20' AS Date), 1, N'hanoi', N'tnv@fpt.edu.vn')
```

GO

```
INSERT [dbo].[student] ([SiD], [First name], [Last Name], [DoB],  
[gender], [address], [mail]) VALUES (N'HE00021', N'Nguyen Van', N'U',  
CAST(N'2002-01-21' AS Date), 1, N'hanoi', N'unv@fpt.edu.vn')
```

GO

```
INSERT [dbo].[student] ([SiD], [First name], [Last Name], [DoB],  
[gender], [address], [mail]) VALUES (N'HE00022', N'Nguyen Van', N'V',  
CAST(N'2002-01-22' AS Date), 1, N'hanoi', N'vnv@fpt.edu.vn')
```

GO

```
INSERT [dbo].[student] ([SiD], [First name], [Last Name], [DoB],  
[gender], [address], [mail]) VALUES (N'HE00023', N'Nguyen Van', N'W',  
CAST(N'2002-01-23' AS Date), 1, N'hanoi', N'wnv@fpt.edu.vn')
```

GO

```
INSERT [dbo].[student] ([SiD], [First name], [Last Name], [DoB],  
[gender], [address], [mail]) VALUES (N'HE00024', N'Nguyen Van', N'X',  
CAST(N'2002-01-24' AS Date), 1, N'hanoi', N'xnv@fpt.edu.vn')
```

GO

```
INSERT [dbo].[student] ([SiD], [First name], [Last Name], [DoB],  
[gender], [address], [mail]) VALUES (N'HE00025', N'Nguyen Van', N'Y',  
CAST(N'2002-01-25' AS Date), 1, N'hanoi', N'ynv@fpt.edu.vn')
```

GO

```
INSERT [dbo].[student] ([SiD], [First name], [Last Name], [DoB],  
[gender], [address], [mail]) VALUES (N'HE00026', N'Nguyen Van', N'Z',  
CAST(N'2002-01-26' AS Date), 1, N'hanoi', N'znv@fpt.edu.vn')
```

GO

```
INSERT [dbo].[student] ([SiD], [First name], [Last Name], [DoB],  
[gender], [address], [mail]) VALUES (N'HE00027', N'Nguyen Thi', N'A',  
CAST(N'2002-02-01' AS Date), 0, N'hanoi', N'anv@fpt.edu.vn')
```

GO

```
INSERT [dbo].[student] ([SiD], [First name], [Last Name], [DoB],  
[gender], [address], [mail]) VALUES (N'HE00028', N'Nguyen Thi', N'B',  
CAST(N'2002-02-02' AS Date), 0, N'hanoi', N'bnv@fpt.edu.vn')
```

GO

```
INSERT [dbo].[student] ([SiD], [First name], [Last Name], [DoB],  
[gender], [address], [mail]) VALUES (N'HE00029', N'Nguyen Thi', N'C',  
CAST(N'2002-02-03' AS Date), 0, N'hanoi', N'cnv@fpt.edu.vn')
```

GO

```
INSERT [dbo].[student] ([SiD], [First name], [Last Name], [DoB],  
[gender], [address], [mail]) VALUES (N'HE00030', N'Nguyen Thi', N'D',  
CAST(N'2002-02-04' AS Date), 0, N'hanoi', N'dnv@fpt.edu.vn')
```

GO

```
INSERT [dbo].[student] ([SiD], [First name], [Last Name], [DoB],  
[gender], [address], [mail]) VALUES (N'HE00031', N'Nguyen Thi', N'E',  
CAST(N'2002-02-05' AS Date), 0, N'hanoi', N'env@fpt.edu.vn')
```

GO

```
INSERT [dbo].[student] ([SiD], [First name], [Last Name], [DoB],  
[gender], [address], [mail]) VALUES (N'HE00032', N'Nguyen Thi', N'F',  
CAST(N'2002-02-06' AS Date), 0, N'hanoi', N'fnv@fpt.edu.vn')
```

GO

```
INSERT [dbo].[student] ([SiD], [First name], [Last Name], [DoB],  
[gender], [address], [mail]) VALUES (N'HE00033', N'Nguyen Thi', N'G',  
CAST(N'2002-02-07' AS Date), 0, N'hanoi', N'gnv@fpt.edu.vn')
```

GO

```
INSERT [dbo].[student] ([SiD], [First name], [Last Name], [DoB],  
[gender], [address], [mail]) VALUES (N'HE00034', N'Nguyen Thi', N'H',  
CAST(N'2002-02-08' AS Date), 0, N'hanoi', N'hnv@fpt.edu.vn')
```

GO

```
INSERT [dbo].[student] ([SiD], [First name], [Last Name], [DoB],  
[gender], [address], [mail]) VALUES (N'HE00035', N'Nguyen Thi', N'I',  
CAST(N'2002-02-09' AS Date), 0, N'hanoi', N'inv@fpt.edu.vn')
```

GO

```
INSERT [dbo].[student] ([SiD], [First name], [Last Name], [DoB],  
[gender], [address], [mail]) VALUES (N'HE00036', N'Nguyen Thi', N'K',  
CAST(N'2002-02-11' AS Date), 0, N'hanoi', N'knv@fpt.edu.vn')
```

GO

```
INSERT [dbo].[student] ([SiD], [First name], [Last Name], [DoB],  
[gender], [address], [mail]) VALUES (N'HE00037', N'Nguyen Thi', N'L',  
CAST(N'2002-02-12' AS Date), 0, N'hanoi', N'lnv@fpt.edu.vn')
```

GO

```
INSERT [dbo].[student] ([SiD], [First name], [Last Name], [DoB],  
[gender], [address], [mail]) VALUES (N'HE00038', N'Nguyen Thi', N'M',  
CAST(N'2002-02-13' AS Date), 0, N'hanoi', N'mnv@fpt.edu.vn')
```

GO

```
INSERT [dbo].[student] ([SiD], [First name], [Last Name], [DoB],  
[gender], [address], [mail]) VALUES (N'HE00039', N'Nguyen Thi', N'N',  
CAST(N'2002-02-14' AS Date), 0, N'hanoi', N'nnv@fpt.edu.vn')
```

GO

```
INSERT [dbo].[student] ([SiD], [First name], [Last Name], [DoB],  
[gender], [address], [mail]) VALUES (N'HE00040', N'Nguyen Thi', N'O',  
CAST(N'2002-02-15' AS Date), 0, N'hanoi', N'onv@fpt.edu.vn')
```

GO

```
INSERT [dbo].[student] ([SiD], [First name], [Last Name], [DoB],  
[gender], [address], [mail]) VALUES (N'HE00041', N'Nguyen Thi', N'P',  
CAST(N'2002-02-16' AS Date), 0, N'hanoi', N'pnv@fpt.edu.vn')
```

GO

```
INSERT [dbo].[student] ([SiD], [First name], [Last Name], [DoB],  
[gender], [address], [mail]) VALUES (N'HE00042', N'Nguyen Thi', N'Q',  
CAST(N'2002-02-17' AS Date), 0, N'hanoi', N'qnv@fpt.edu.vn')
```

GO

```
INSERT [dbo].[student] ([SiD], [First name], [Last Name], [DoB],  
[gender], [address], [mail]) VALUES (N'HE00043', N'Nguyen Thi', N'R',  
CAST(N'2002-02-18' AS Date), 0, N'hanoi', N'rnv@fpt.edu.vn')
```

GO

```
INSERT [dbo].[student] ([SiD], [First name], [Last Name], [DoB],  
[gender], [address], [mail]) VALUES (N'HE00044', N'Nguyen Thi', N'S',  
CAST(N'2002-02-19' AS Date), 0, N'hanoi', N'snv@fpt.edu.vn')
```

GO

```
INSERT [dbo].[student] ([SiD], [First name], [Last Name], [DoB],  
[gender], [address], [mail]) VALUES (N'HE00045', N'Nguyen Thi', N'T',  
CAST(N'2002-02-20' AS Date), 0, N'hanoi', N'tnv@fpt.edu.vn')
```

GO

```
INSERT [dbo].[student] ([SiD], [First name], [Last Name], [DoB],  
[gender], [address], [mail]) VALUES (N'HE00046', N'Nguyen Thi', N'U',  
CAST(N'2002-02-21' AS Date), 0, N'hanoi', N'unv@fpt.edu.vn')
```

GO

```
INSERT [dbo].[student] ([SiD], [First name], [Last Name], [DoB],
[gender], [address], [mail]) VALUES (N'HE00047', N'Nguyen Thi', N'V',
CAST(N'2002-02-22' AS Date), 0, N'hanoi', N'vvnv@fpt.edu.vn')
```

GO

```
INSERT [dbo].[student] ([SiD], [First name], [Last Name], [DoB],
[gender], [address], [mail]) VALUES (N'HE00048', N'Nguyen Thi', N'W',
CAST(N'2002-02-23' AS Date), 0, N'hanoi', N'wnv@fpt.edu.vn')
```

GO

```
INSERT [dbo].[student] ([SiD], [First name], [Last Name], [DoB],
[gender], [address], [mail]) VALUES (N'HE00049', N'Nguyen Thi', N'X',
CAST(N'2002-02-24' AS Date), 0, N'hanoi', N'xnv@fpt.edu.vn')
```

GO

```
INSERT [dbo].[student] ([SiD], [First name], [Last Name], [DoB],
[gender], [address], [mail]) VALUES (N'HE00050', N'Nguyen Thi', N'Y',
CAST(N'2002-02-25' AS Date), 0, N'hanoi', N'ynv@fpt.edu.vn')
```

GO

```
INSERT [dbo].[supervisor] ([CLid], [LiD]) VALUES (N'FA21APRO ',
N'GVA')
```

GO

```
INSERT [dbo].[supervisor] ([CLid], [LiD]) VALUES (N'FA21BIAO ',
N'GVB')
```

GO

```
INSERT [dbo].[supervisor] ([CLid], [LiD]) VALUES (N'FA21BNWC ',
N'GVC')
```

GO

```
INSERT [dbo].[supervisor] ([CLid], [LiD]) VALUES (N'FA21CLAB ',
N'GVD')
```

GO

```
INSERT [dbo].[supervisor] ([CLid], [LiD]) VALUES (N'FA21DDBI ',
N'GVE')
```

GO

```
INSERT [dbo].[supervisor] ([CLid], [LiD]) VALUES (N'FA21ECSD ',
N'GVF')
```

GO

```
INSERT [dbo].[supervisor] ([CLid], [LiD]) VALUES (N'FA21FJPD ',
N'GVG')
```

GO

```
INSERT [dbo].[supervisor] ([CLid], [LiD]) VALUES (N'FA21GSSG ',
N'GVH')
```

GO

```
INSERT [dbo].[supervisor] ([CLid], [LiD]) VALUES (N'FA21HOSG ',  
N'GVI')
```

GO

```
INSERT [dbo].[supervisor] ([CLid], [LiD]) VALUES (N'FA21HPRF ',  
N'GVJ')
```

GO

```
INSERT [dbo].[supervisor] ([CLid], [LiD]) VALUES (N'FA21ICSI ',  
N'GVK')
```

GO

```
INSERT [dbo].[supervisor] ([CLid], [LiD]) VALUES (N'FA21IMAE ',  
N'GVA')
```

GO

```
INSERT [dbo].[supervisor] ([CLid], [LiD]) VALUES (N'FA21ISSL ',  
N'GVB')
```

GO

```
INSERT [dbo].[supervisor] ([CLid], [LiD]) VALUES (N'FA21JMAD ',  
N'GVC')
```

GO

```
INSERT [dbo].[supervisor] ([CLid], [LiD]) VALUES (N'FA21KCEA ',  
N'GVD')
```

GO

```
INSERT [dbo].[supervisor] ([CLid], [LiD]) VALUES (N'SP22ACSD ',  
N'GVE')
```

GO

```
INSERT [dbo].[supervisor] ([CLid], [LiD]) VALUES (N'SP22ADBI ',  
N'GVF')
```

GO

```
INSERT [dbo].[supervisor] ([CLid], [LiD]) VALUES (N'SP22APRO ',  
N'GVG')
```

GO

```
INSERT [dbo].[supervisor] ([CLid], [LiD]) VALUES (N'SP22BCSD ',  
N'GVH')
```

GO

```
INSERT [dbo].[supervisor] ([CLid], [LiD]) VALUES (N'SP22BIAO ',  
N'GVI')
```

GO

```
INSERT [dbo].[supervisor] ([CLid], [LiD]) VALUES (N'SP22BNWC ',  
N'GVJ')
```

GO

```
INSERT [dbo].[supervisor] ([CLid], [LiD]) VALUES (N'SP22CLAB ',  
N'GVK')
```

GO

```
INSERT [dbo].[supervisor] ([CLid], [LiD]) VALUES (N'SP22DDBI ',  
N'GVA')
```

GO

```
INSERT [dbo].[supervisor] ([CLid], [LiD]) VALUES (N'SP22DLAB ',  
N'GVB')
```

GO

```
INSERT [dbo].[supervisor] ([CLid], [LiD]) VALUES (N'SP22ECSD ',  
N'GVC')
```

GO

```
INSERT [dbo].[supervisor] ([CLid], [LiD]) VALUES (N'SP22FJPD ',  
N'GVD')
```

GO

```
INSERT [dbo].[supervisor] ([CLid], [LiD]) VALUES (N'SP22FSSG ',  
N'GVE')
```

GO

```
INSERT [dbo].[supervisor] ([CLid], [LiD]) VALUES (N'SP22GJPD ',  
N'GVF')
```

GO

```
INSERT [dbo].[supervisor] ([CLid], [LiD]) VALUES (N'SP22GSSG ',  
N'GVG')
```

GO

```
INSERT [dbo].[supervisor] ([CLid], [LiD]) VALUES (N'SP22HCEA ',  
N'GVH')
```

GO

```
INSERT [dbo].[supervisor] ([CLid], [LiD]) VALUES (N'SP22HOSG ',  
N'GVI')
```

GO

```
INSERT [dbo].[supervisor] ([CLid], [LiD]) VALUES (N'SP22HPRF ',  
N'GVJ')
```

GO

```
INSERT [dbo].[supervisor] ([CLid], [LiD]) VALUES (N'SP22IMAE ',  
N'GVK')
```

GO

```
INSERT [dbo].[supervisor] ([CLid], [LiD]) VALUES (N'SP22ISSL ',  
N'GVA')
```

GO

```
INSERT [dbo].[supervisor] ([CLid], [LiD]) VALUES (N'SP22JCEA ',  
N'GVB')
```

GO

```
INSERT [dbo].[supervisor] ([CLid], [LiD]) VALUES (N'SP22JMAD ',  
N'GVC')
```

GO

```
INSERT [dbo].[supervisor] ([CLid], [LiD]) VALUES (N'SP22KCSI ',  
N'GVD')
```

GO

```
INSERT [dbo].[supervisor] ([CLid], [LiD]) VALUES (N'SU21ACSD ',  
N'GVE')
```

GO

```
INSERT [dbo].[supervisor] ([CLid], [LiD]) VALUES (N'SU21ADBI ',  
N'GVF')
```

GO

```
INSERT [dbo].[supervisor] ([CLid], [LiD]) VALUES (N'SU21APRO ',  
N'GVG')
```

GO

```
INSERT [dbo].[supervisor] ([CLid], [LiD]) VALUES (N'SU21BIAO ',  
N'GVH')
```

GO

```
INSERT [dbo].[supervisor] ([CLid], [LiD]) VALUES (N'SU21BNWC ',  
N'GVI')
```

GO

```
INSERT [dbo].[supervisor] ([CLid], [LiD]) VALUES (N'SU21CLAB ',  
N'GVJ')
```

GO

```
INSERT [dbo].[supervisor] ([CLid], [LiD]) VALUES (N'SU21FJPD ',  
N'GVK')
```

GO

```
INSERT [dbo].[supervisor] ([CLid], [LiD]) VALUES (N'SU21FSSG ',  
N'GVA')
```

GO

```
INSERT [dbo].[supervisor] ([CLid], [LiD]) VALUES (N'SU21HOSG ',  
N'GVB')
```

GO

```
INSERT [dbo].[supervisor] ([CLid], [LiD]) VALUES (N'SU21HPRF ',  
N'GVC')
```

GO


```

INSERT [dbo].[supervisor] ([CLid], [LiD]) VALUES (N'SU21IMAE ',
N'GVD')

GO

INSERT [dbo].[supervisor] ([CLid], [LiD]) VALUES (N'SU21ISSL ',
N'GVE')

GO

INSERT [dbo].[supervisor] ([CLid], [LiD]) VALUES (N'SU21JCEA ',
N'GVF')

GO

INSERT [dbo].[supervisor] ([CLid], [LiD]) VALUES (N'SU21JMAD ',
N'GVG')

GO

INSERT [dbo].[supervisor] ([CLid], [LiD]) VALUES (N'SU21KCSI ',
N'GVH')

GO

ALTER TABLE [dbo].[Assessment] WITH CHECK ADD CONSTRAINT
[FK_Assessment_Assessment system] FOREIGN KEY([Aid])
REFERENCES [dbo].[Assessment system] ([Aid])

GO

ALTER TABLE [dbo].[Assessment] CHECK CONSTRAINT
[FK_Assessment_Assessment system]

GO

ALTER TABLE [dbo].[Assessment] WITH CHECK ADD CONSTRAINT
[FK_Assessment_course] FOREIGN KEY([CiD])
REFERENCES [dbo].[course] ([CiD])

GO

ALTER TABLE [dbo].[Assessment] CHECK CONSTRAINT
[FK_Assessment_course]

GO

ALTER TABLE [dbo].[Assessment system] WITH CHECK ADD CONSTRAINT
[FK_Assessment system_Categories1] FOREIGN KEY([CaID])
REFERENCES [dbo].[Categories] ([CaID])

GO

ALTER TABLE [dbo].[Assessment system] CHECK CONSTRAINT [FK_Assessment
system_Categories1]

GO

ALTER TABLE [dbo].[class] WITH CHECK ADD CONSTRAINT
[FK_class_course] FOREIGN KEY([CiD])
REFERENCES [dbo].[course] ([CiD])

```

```

GO

ALTER TABLE [dbo].[class] CHECK CONSTRAINT [FK_class_course]

GO

ALTER TABLE [dbo].[class] WITH CHECK ADD CONSTRAINT
[FK_class_semester] FOREIGN KEY([semester])

REFERENCES [dbo].[semester] ([semester])

GO

ALTER TABLE [dbo].[class] CHECK CONSTRAINT [FK_class_semester]

GO

ALTER TABLE [dbo].[enroll] WITH CHECK ADD CONSTRAINT
[FK_enroll_class] FOREIGN KEY([CLid])

REFERENCES [dbo].[class] ([CLid])

GO

ALTER TABLE [dbo].[enroll] CHECK CONSTRAINT [FK_enroll_class]

GO

ALTER TABLE [dbo].[enroll] WITH CHECK ADD CONSTRAINT
[FK_enroll_group] FOREIGN KEY([GiD])

REFERENCES [dbo].[group] ([GiD])

GO

ALTER TABLE [dbo].[enroll] CHECK CONSTRAINT [FK_enroll_group]

GO

ALTER TABLE [dbo].[join] WITH CHECK ADD CONSTRAINT [FK_join_class]
FOREIGN KEY([CLid])

REFERENCES [dbo].[class] ([CLid])

GO

ALTER TABLE [dbo].[join] CHECK CONSTRAINT [FK_join_class]

GO

ALTER TABLE [dbo].[join] WITH CHECK ADD CONSTRAINT
[FK_join_student] FOREIGN KEY([SiD])

REFERENCES [dbo].[student] ([SiD])

GO

ALTER TABLE [dbo].[join] CHECK CONSTRAINT [FK_join_student]

GO

ALTER TABLE [dbo].[result ] WITH CHECK ADD CONSTRAINT
[FK_assessment_Student_Assessment system] FOREIGN KEY([Aid])

REFERENCES [dbo].[Assessment system] ([Aid])

GO

```

```

ALTER TABLE [dbo].[result ] CHECK CONSTRAINT
[FK_assessment_Student_Assessment system]

GO

ALTER TABLE [dbo].[result ] WITH CHECK ADD CONSTRAINT
[FK_assessment_Student_student1] FOREIGN KEY([Sid])

REFERENCES [dbo].[student] ([SiD])

GO

ALTER TABLE [dbo].[result ] CHECK CONSTRAINT
[FK_assessment_Student_student1]

GO

ALTER TABLE [dbo].[supervisor] WITH CHECK ADD CONSTRAINT
[FK_supervisor_class] FOREIGN KEY([CLid])

REFERENCES [dbo].[class] ([CLid])

GO

ALTER TABLE [dbo].[supervisor] CHECK CONSTRAINT [FK_supervisor_class]

GO

ALTER TABLE [dbo].[supervisor] WITH CHECK ADD CONSTRAINT
[FK_supervisor_Lecturer] FOREIGN KEY([LiD])

REFERENCES [dbo].[Lecturer] ([LiD])

GO

ALTER TABLE [dbo].[supervisor] CHECK CONSTRAINT
[FK_supervisor_Lecturer]

GO

```

VIII. Các câu lệnh Query

1. INDEXES

```

-- INDEXES --
CREATE INDEX Stu_Name ON Student([Last Name], [First Name])
CREATE INDEX Lec_Name ON Lecturer(LecturerName)
SELECT * FROM student WHERE [Last Name] = N'Nguyễn Văn' AND
[First name] = 'A'

DROP VIEW View_Assess_AssessSystem
CREATE VIEW View_Assess_AssessSystem
AS
(SELECT class.CLid, enroll.GiD, Assessment.Aid
, semester.semester, [start date], [end date], course.CiD,
[AS].CaID, [No question], Duration, [weight]
FROM
class INNER JOIN enroll ON class.CLid = Enroll.CLid
INNER JOIN course on course.CiD=class.CiD

```

```

INNER JOIN Assessment ON class.CiD =
Assessment.CiD
INNER JOIN [Assessment system] AS [AS] ON
[AS].Aid = Assessment.Aid
INNER JOIN semester ON
semester.semester=class.semester)

```

```
SELECT * FROM View_Assess_AssessSystem
```

	CLid	GiD	Aid	semester	start date	end date	CiD	CalD	No question	Duration	weight
1	FA21BIAO	IOT1607	IAOAS	FALL 2021	2021-09-01	2021-12-01	iao202	AS	30	45 mins	0.1
2	FA21BIAO	IOT1607	IAOFE	FALL 2021	2021-09-01	2021-12-01	iao202	FE	60	90 mins	0.4
3	FA21BIAO	IOT1607	IAOLAB1	FALL 2021	2021-09-01	2021-12-01	iao202	LAB1	15	30 mins	0.05
4	FA21BIAO	IOT1607	IAOLAB2	FALL 2021	2021-09-01	2021-12-01	iao202	LAB2	15	30 mins	0.05
5	FA21BIAO	IOT1607	IAOPT1	FALL 2021	2021-09-01	2021-12-01	iao202	PT1	40	60 mins	0.2
6	FA21BIAO	IOT1607	IAOPT2	FALL 2021	2021-09-01	2021-12-01	iao202	PT2	40	60 mins	0.2
7	FA21BNWC	IA1604	NWCAS	FALL 2021	2021-09-01	2021-12-01	NWC204	AS	30	45 mins	0.1
8	FA21BNWC	IA1604	NWCFE	FALL 2021	2021-09-01	2021-12-01	NWC204	FE	60	90 mins	0.4
9	FA21BNWC	IA1604	NWCLAB1	FALL 2021	2021-09-01	2021-12-01	NWC204	LAB1	15	30 mins	0.05
10	FA21BNWC	IA1604	NWCLAB2	FALL 2021	2021-09-01	2021-12-01	NWC204	LAB2	15	30 mins	0.05
11	FA21BNWC	IA1604	NWCPT1	FALL 2021	2021-09-01	2021-12-01	NWC204	PT1	40	60 mins	0.2
12	FA21BNWC	IA1604	NWCPT2	FALL 2021	2021-09-01	2021-12-01	NWC204	PT2	40	60 mins	0.2
13	FA21CLAB	IOT1607	LABLOC	FALL 2021	2021-09-01	2021-12-01	lab211	LOC	75	30 Slots	1
14	FA21DDBI	IOT1607	DBIAS	FALL 2021	2021-09-01	2021-12-01	dbi202	AS	10	28 Slots	0.2
15	FA21DDBI	IOT1607	DBIFE	FALL 2021	2021-09-01	2021-12-01	dbi202	FE	60	90 mins	0.4
16	FA21DDBI	IOT1607	DBILAB1	FALL 2021	2021-09-01	2021-12-01	dbi202	LAB1	20	30 mins	0.05
17	FA21DDBI	IOT1607	DBILAB2	FALL 2021	2021-09-01	2021-12-01	dbi202	LAB2	20	30 mins	0.05

- Câu lệnh indexes này được tạo ra nhằm tra cứu thời gian sinh viên bắt đầu 1 môn học mà các đầu điểm mà sinh viên đó đã đạt được

2. Procedure

```

CREATE PROCEDURE Count_Student
    @GR VARCHAR(50),
    @COUNT INT OUT
AS
BEGIN
    SELECT @COUNT = COUNT(TBL.SiD) FROM
    (SELECT student.SiD,enroll.GiD
    FROM student INNER JOIN [join] ON student.SiD=[join].SiD
    INNER JOIN enroll ON
    [join].CLid=enroll.CLid
    ) AS TBL WHERE GiD = @GR
END

DECLARE @NumOfStu INT = 0;
EXEC Count_Student @GR = 'IA1604', @COUNT = @NumOfStu OUT
PRINT @NumOfStu;

```

```

(1 row affected)
200

```

- Procedure này được tạo ra nhằm đếm số sinh viên cùng lớp 'IA1604'

3. Trigger

```

CREATE TRIGGER [AverageResult] ON [join]
AFTER INSERT, UPDATE
AS
    DECLARE @AVG FLOAT;
    DECLARE @CLASS VARCHAR(50);
    DECLARE @STU VARCHAR(50);
    DECLARE @AVERAGE FLOAT;
    DECLARE @STA VARCHAR(50);
    SELECT @STU = SiD, @CLASS = CLid, @AVG = average,
    @STA = [status] FROM inserted;

    SELECT @AVERAGE = SUM(Score * [weight])
    FROM
        (SELECT student.SiD,enroll.GiD
        FROM student INNER JOIN [join] ON
        student.SiD=[join].SiD
        INNER JOIN enroll ON
        [join].CLid=enroll.CLid
        ) AS J INNER JOIN Enroll ON J.GiD = Enroll.GiD
        INNER JOIN (SELECT class.CLid,
        enroll.GiD, Assessment.Aid
        , semester.semester, [start date], [end date],
        course.CiD, [AS].CaID, [No question], Duration, [weight]
        FROM
            class INNER JOIN enroll ON class.CLid = Enroll.CLid
            INNER JOIN course on course.CiD=class.CiD
            INNER JOIN Assessment ON class.CiD =
            Assessment.CiD
            INNER JOIN [Assessment system] AS [AS] ON
            [AS].Aid = Assessment.Aid
            INNER JOIN semester ON
            semester.semester=class.semester) AS VAA ON VAA.GiD =
            enroll.GiD
        INNER JOIN [result ] ON J.SiD
        = [result ].SiD AND [result ].Aid = VAA.Aid
    WHERE J.SiD = @STU AND VAA.CLid = @CLASS
    GROUP BY J.SiD, VAA.CLid, VAA.CiD, VAA.GiD
    IF @AVG <> @AVERAGE
    BEGIN
        PRINT 'Average score added to [View] was not
        corresponding to the average scored counted from [Grade]'
        ROLLBACK TRAN
    END
    ELSE IF (NOT @STA = 'PASSED') AND (NOT @STA = 'NOT
    PASSED')
    BEGIN
        PRINT 'Status must be passed or not passed'
        ROLLBACK TRAN
    END

```

```

ELSE IF (@AVG <= 4 AND @STA = 'PASSED') OR (@AVG > 4
AND @STA = 'NOT PASSED')
BEGIN
    PRINT 'Incorrect Status'
    ROLLBACK TRAN
END
UPDATE [join] SET average = 8.645, [status] =
'PASSED' WHERE SiD = 'HE00001' AND CLid = 'FA21APRO'

SELECT * FROM [join]

```

Trigger này được tạo ra để đánh giá nhanh trạng thái của 1 sinh viên
bằng điểm trung bình của họ

4. 10 queries

```

--order by query
SELECT * FROM student ORDER BY [First name], [Last Name]

```

	SiD	First name	Last Name	DoB	gender	address	mail
1	HE00027	Nguyen Thi	A	2002-02-01	0	hanoi	anv@fpt.edu.vn
2	HE00028	Nguyen Thi	B	2002-02-02	0	hanoi	bnv@fpt.edu.vn
3	HE00029	Nguyen Thi	C	2002-02-03	0	hanoi	cnv@fpt.edu.vn
4	HE00030	Nguyen Thi	D	2002-02-04	0	hanoi	dnv@fpt.edu.vn
5	HE00031	Nguyen Thi	E	2002-02-05	0	hanoi	env@fpt.edu.vn
6	HE00032	Nguyen Thi	F	2002-02-06	0	hanoi	fnv@fpt.edu.vn
7	HE00033	Nguyen Thi	G	2002-02-07	0	hanoi	gnv@fpt.edu.vn
8	HE00034	Nguyen Thi	H	2002-02-08	0	hanoi	hnv@fpt.edu.vn
9	HE00035	Nguyen Thi	I	2002-02-09	0	hanoi	inv@fpt.edu.vn
10	HE00036	Nguyen Thi	K	2002-02-11	0	hanoi	knv@fpt.edu.vn
11	HE00037	Nguyen Thi	L	2002-02-12	0	hanoi	lnv@fpt.edu.vn
12	HE00038	Nguyen Thi	M	2002-02-13	0	hanoi	mrv@fpt.edu.vn
13	HE00039	Nguyen Thi	N	2002-02-14	0	hanoi	nrv@fpt.edu.vn
14	HE00040	Nguyen Thi	O	2002-02-15	0	hanoi	onv@fpt.edu.vn
15	HE00041	Nguyen Thi	P	2002-02-16	0	hanoi	prv@fpt.edu.vn
16	HE00042	Nguyen Thi	Q	2002-02-17	0	hanoi	qrv@fpt.edu.vn
17	HE00043	Nguyen Thi	R	2002-02-18	0	hanoi	rnr@fpt.edu.vn

```

--inner join

```

```

SELECT student.SiD, [Last Name], [First Name], class.CLid, AiD,
semester.semester, semester.[start date], semester.[end date]
FROM student INNER JOIN [join] ON student.SiD=[join].SiD
INNER JOIN class ON
[join].CLid=class.CLid
INNER JOIN semester ON
semester.semester=class.semester
INNER JOIN Assessment ON
Assessment.CiD=class.CiD

```

	SiD	Last Name	First Name	CLid	AiD	semester	start date	end date
1	HE00001	A	Nguyen Van	FA21BNWC	NWCAS	FALL 2021	2021-09-01	2021-12-01
2	HE00001	A	Nguyen Van	FA21BNWC	NWCFE	FALL 2021	2021-09-01	2021-12-01
3	HE00001	A	Nguyen Van	FA21BNWC	NWCLAB1	FALL 2021	2021-09-01	2021-12-01
4	HE00001	A	Nguyen Van	FA21BNWC	NWCLAB2	FALL 2021	2021-09-01	2021-12-01
5	HE00001	A	Nguyen Van	FA21BNWC	NWCPT1	FALL 2021	2021-09-01	2021-12-01
6	HE00001	A	Nguyen Van	FA21BNWC	NWCPT2	FALL 2021	2021-09-01	2021-12-01
7	HE00002	B	Nguyen Van	FA21BNWC	NWCAS	FALL 2021	2021-09-01	2021-12-01
8	HE00002	B	Nguyen Van	FA21BNWC	NWCFE	FALL 2021	2021-09-01	2021-12-01
9	HE00002	B	Nguyen Van	FA21BNWC	NWCLAB1	FALL 2021	2021-09-01	2021-12-01
10	HE00002	B	Nguyen Van	FA21BNWC	NWCLAB2	FALL 2021	2021-09-01	2021-12-01
11	HE00002	B	Nguyen Van	FA21BNWC	NWCPT1	FALL 2021	2021-09-01	2021-12-01
12	HE00002	B	Nguyen Van	FA21BNWC	NWCPT2	FALL 2021	2021-09-01	2021-12-01
13	HE00003	C	Nguyen Van	FA21BNWC	NWCAS	FALL 2021	2021-09-01	2021-12-01
14	HE00003	C	Nguyen Van	FA21BNWC	NWCFE	FALL 2021	2021-09-01	2021-12-01
15	HE00003	C	Nguyen Van	FA21BNWC	NWCLAB1	FALL 2021	2021-09-01	2021-12-01
16	HE00003	C	Nguyen Van	FA21BNWC	NWCLAB2	FALL 2021	2021-09-01	2021-12-01
17	HE00003	C	Nguyen Van	FA21BNWC	NWCPT1	FALL 2021	2021-09-01	2021-12-01

```

-- A query that uses aggregate functions
Select Max([Score]) as [Highest Mark] From [result ]

```

	Highest Mark
1	900

```

-- A query that uses a sub-query in the WHERE clause
SELECT *FROM Student WHERE DOB <= ALL (SELECT DOB FROM Student);

```

	SiD	First name	Last Name	DoB	gender	address	mail
1	HE00001	Nguyen Van	A	2002-01-01	1	hanoi	anv@fpt.edu.vn

```

--find information
CREATE INDEX Stu_Name ON Student([Last Name], [First Name])

```

```

SELECT * FROM Student WHERE [Last Name] = N'A' AND [First Name]
= 'Nguyen Van'

```

	SiD	First name	Last Name	DoB	gender	address	mail
1	HE00001	Nguyen Van	A	2002-01-01	1	hanoi	anv@fpt.edu.vn

```

--A query that uses the GROUP BY and HAVING clauses
SELECT r.Sid, ass.CiD, c.CaID, AVG(Score) as Total, [Completion
Criteria] FROM [result ] r
INNER JOIN [Assessment system] a on r.Aid = a.Aid
INNER JOIN [Categories] c on c.CaID = a.CaID

```

```
INNER JOIN Assessment ass on ass.Aid = a.Aid GROUP BY CiD, Sid,
c.CaID, [Completion Criteria] Having AVG(Score) >5
```

	Sid	CiD	CaID	Total	Completion Criteria
1	HE00001	csd201	FE	8	>4
2	HE00001	csd201	LAB1	7.5	>0
3	HE00001	csd201	LAB2	6	>0
4	HE00001	csd201	PE	8	>0
5	HE00001	csd201	PT	8.5	>0
6	HE00003	csd201	FE	7.5	>4
7	HE00003	csd201	LAB1	7.3	>0
8	HE00003	csd201	LAB2	8.6	>0
9	HE00003	csd201	PE	9.3	>0
10	HE00003	csd201	PT	9.4	>0
11	HE00001	CSI104	AS1	7	>0
12	HE00001	CSI104	AS2	9	>0
13	HE00001	CSI104	FE	10	>4
14	HE00001	CSI104	LAB1	10	>0
15	HE00001	CSI104	PT1	8	>0
16	HE00001	CSI104	PT2	9	>0
17	HE00002	CSI104	AS1	7.5	>0

```
-- A query that uses a sub-query in the WHERE clause:
SELECT J.SiD,CONCAT([First Name], ' ',[Last Name] ) AS [Student
Name], CLid,average,[status]
FROM
Student inner join [join] AS J ON Student.SiD = J.SiD
INNER JOIN [result ] AS r ON J.SiD = r.SiD
WHERE CLid = (SELECT CLid FROM Class WHERE CLid = 'FA21APRO')
```

	SiD	Student Name	CLid	average	status
68	HE00001	Nguyen Van A	FA21APRO	8.645	PASSED
69	HE00001	Nguyen Van A	FA21APRO	8.645	PASSED
70	HE00001	Nguyen Van A	FA21APRO	8.645	PASSED
71	HE00002	Nguyen Van B	FA21APRO	8.365	PASSED
72	HE00002	Nguyen Van B	FA21APRO	8.365	PASSED
73	HE00002	Nguyen Van B	FA21APRO	8.365	PASSED
74	HE00002	Nguyen Van B	FA21APRO	8.365	PASSED
75	HE00002	Nguyen Van B	FA21APRO	8.365	PASSED
76	HE00002	Nguyen Van B	FA21APRO	8.365	PASSED
77	HE00002	Nguyen Van B	FA21APRO	8.365	PASSED
78	HE00002	Nguyen Van B	FA21APRO	8.365	PASSED
79	HE00002	Nguyen Van B	FA21APRO	8.365	PASSED
80	HE00002	Nguyen Van B	FA21APRO	8.365	PASSED
81	HE00002	Nguyen Van B	FA21APRO	8.365	PASSED
82	HE00002	Nguyen Van B	FA21APRO	8.365	PASSED
83	HE00002	Nguyen Van B	FA21APRO	8.365	PASSED
84	HE00002	Nguyen Van B	FA21APRO	8.365	PASSED

