FPT Education

FPT UNIVERSITY

Student Grading Manage

Võ Viết Mạnh

HE163963

IA1604

1. Phân tích và tổng hợp

- Bảng điểm thành phần (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 shedules 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 resposibility 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 programing 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	

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  - Category: các loại hạng mục đánh giá: Progress Tests, Assignment, Labs, Practical Exam, Final Exam
  - Type: cách đánh giá: Quiz, On-going, Practical exam, Final exam
  - Part: số lần thực hiện: Ví dụ bài Quiz được thực hiện 2 lần
  - Weight: trọng số (phần trăm) số điểm của từng hạng mục
  - Completion Criteria: điểm tối thiểu cần đạt để qua môn
  - Duration: thời gian thực hiện các hạng mục đánh giá : at home, in lab session, ...
  - Question type: hình thức thực hiện: Multiple choices, Design, Implementation, Presentation, Practical exercises, Preferable to be marked by Scripts
  - No question: số lượng câu hỏi
  - Knowledge and Skill : các kiến thức và kĩ năng cần nắm vững
  - Grading Guide: người chấm điểm và đánh giá: instructor using computer, exam board, ...
  - Note: chú thích
- Bảng điểm tổng quát của sinh viên

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	ĐTB102	Traditional musical instrument	Summer2020					Passed
23	VOV114	Vovinam 1	Fall2019					Passed
24	VOV124	Vovinam 2	Summer2020					Passed
25	VOV134	Vovinam 3	Summer2020					Passed

- No: số thứ tự các khóa học
- Subject code: mã khóa học
- Subject name: tên khóa học
- Semester: khóa học diễn ra vào kì + năm
- Group: lớp học
- Start date: thời gian bắt đầu khóa học
- End date: thời gian kết thúc khóa học
- Average mark: điểm trung bình
- Status: tổng kết quá trình học của sinh viên: Pass – Not pass

- Bảng điểm chi tiết 1 khóa học của sinh viên

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**		

- Grade category: các loại hạng mục của từng đầu điểm
- Grade item: các thành phần của hạng mục (tên và đầu điểm), thêm 1 dòng total
- Weight: trọng số (phần trăm) số điểm của từng hạng mục
- Value: điểm
- Comment: chú thích của người quản lí điểm
- Course total: Điểm tổng kết của khóa và Status

2. Xác định các Entities

Entity 1: Students

- StudentID
- FirstName
- LastName
- Gender
- DoB
- Email

Entity 2: Groups

- GroupID
- Majors

- Number of Student

Entity 3: Classes

- ClassID
- AssignID
- Semester
- Start Date
- End Date

Entity 4: Lectures

- LectureID
- FirstName
- LastName
- DoB
- Email
- Gender
- Report

Entity 5: Assignment

- AssignmentID
- LecID
- Major

Entity: Courses

- CourseID
- AssignID
- CourseName

Entity: Assessment System

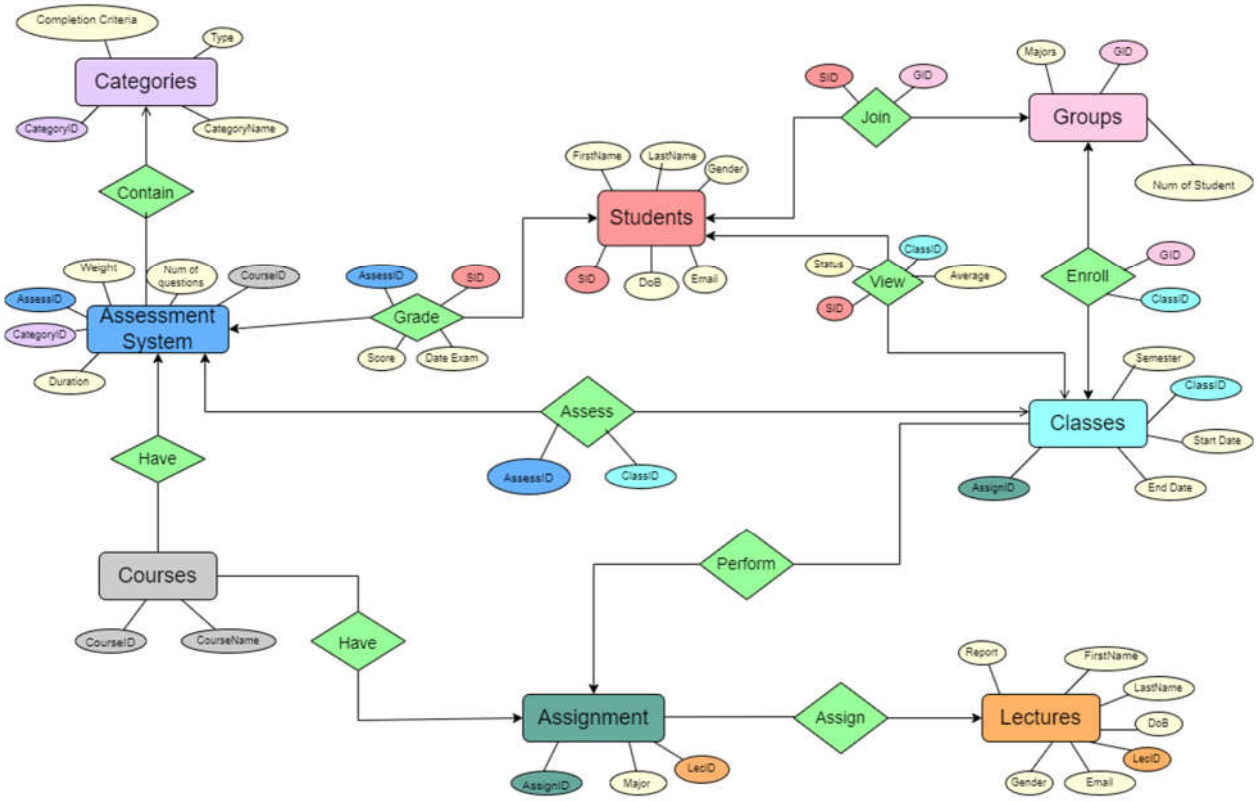
- AssessmentID
- CategoryID
- CourseID
- Duration
- Weight
- Number of questions

Entity 8: Categories

- CategoryID
- CategoryName
- Type

- Completion Criteria

3. ERD Diagram



4. Phân tích mối quan hệ giữa các Entities

- **Entity Students <-> Entity Groups**

  Một sinh viên có thể tham gia nhiều nhóm lớp học và một nhóm lớp học cũng có thể có nhiều sinh viên

➔ Mối quan hệ: N-N

- **Entity Groups <-> Entity Classes**

  Một nhóm có thể đăng kí nhiều lớp học và một lớp học có thể chứa nhiều nhóm

➔ Mối quan hệ: N-N

- **Entity Lectures <-> Entity Assignment**

  Một giảng viên chỉ có thể ra đúng một Assignment và một Assignment có thể được nhiều giảng viên ra

➔ Mối quan hệ: 1-N

- **Entity Assignment <-> Entity Courses**

  Một Assignment có thể lấy từ nhiều Coures và một Course chỉ có thể có một Assignment

➔ Mối quan hệ: 1-N

- **Entity Assignment <-> Entity Classes**

  Một lớp chỉ có một Assignment và một Assignment có thể được giao cho nhiều lớp

➔ Mối quan hệ: 1-N

- **Entity Students <-> Entity Classes**
  Một sinh viên có thể xem được điểm của nhiều lớp và một lớp có thể có nhiều đầu điểm của sinh viên

➔ Mối qua hệ: N-N

- **Entity Courses <-> Entity Assessment System**
  Một Courses chỉ có một hệ thống đánh giá và một Assessment System có thể là hệ thống đánh giá của nhiều Courses

➔ Mối quan hệ: 1-N

- **Entity Assessment System <-> Entity Categories**
  Một Category có thể tổng hợp từ nhiều hệ thống đánh giá và một hệ thống đánh giá chỉ có thể đưa vào một Categoty

➔ Mối quan hệ: 1-N

- **Entity Assessmeny System <-> Entity Students**
  Một sinh viên có thế có nhiều hệ thống đánh giá các đầu điểm và một hệ thống đánh giá cũng có thể phụ trách đầu điểm của nhiều sinh viên

➔ Mối quan hệ: N-N

- **Entity Assessment System <-> Entity Classes**
  Một lớp học có thể có nhiều hệ thống đánh giá và một hệ thống đánh giá có thể phụ trách đầu điểm của nhiều lớp

➔ Mối quan hệ: N-N

5. Phân tách các quan hệ N-N giữa các Entity và tạo bảng

- Students và Groups -> Tạo Table Join (SID, GID)

➔ Table_Students <-> Table_Join (SID, GID) <-> Table_ Groups

- Groups và Classes -> Tạo Table Enroll (GID, ClassID)

➔ Table_Groups <-> Table_Enroll (GID, ClassID) <-> Table_Classes

- Assessment System và Classes -> Tạo Table Assess (AssessID, ClassID)

➔ Table_Assessment_System <-> Table_Assess (AssessID, ClassID) <->Table_Classes

- Assessment System và Students -> Tạo bảng Grade (AssessID, SID)

➔ Table_Assessment_System <-> Table_Grade (AssessID, SID) <-> Table_Students

- Students và Classes -> Tạo Table View (SID, ClassID)

➔ Table_Students <-> Table_View (SID, ClassID) <-> Table_Classes

6. Định dạng kiểu dữ liệu các Attributes trên từng Table

- **Table Students**

Students	
SID	varchar
FirstName	nvarchar
LastName	nvarchar
Gender	bit
DoB	date
Email	varchar

- **Table Join**

Join	
SID	varchar
GID	varchar

- **Table Groups**

Groups	
GID	varchar
Majors	varchar
Num of Students	int

- **Table Enroll**

Enroll	
GID	varchar
ClassID	varchar

- **Table Classes**

Classes	
ClassID	varchar
AssignID	varchar
Semester	varchar
Start Date	date
End Date	date

- **Table Lectures**

Lectures	
LecID	varchar
FirstName	nvarchar
LastName	nvarchar
DoB	date
Email	varchar
Gender	bit
Report	varchar

- **Table Assigment**

Assignment	
AssignID	varchar
LecID	varchar
Major	varchar

- **Table Courses**

Courses	
CourseID	varchar
CourseName	varchar

- **Table Assessment System**

Assessment System	
AssessID	varchar
CourseID	varchar
CategoryID	varchar
Weight	float
Num of ques	varchar
Duration	varchar

- **Table Categories**

Categories	
CategoryID	varchar
CategoryName	varchar
Type	varchar
Completion Criteria	varchar

- **Table Grade**

Grade	
AssessID	varchar
SID	varchar
Score	float
Date Exam	date

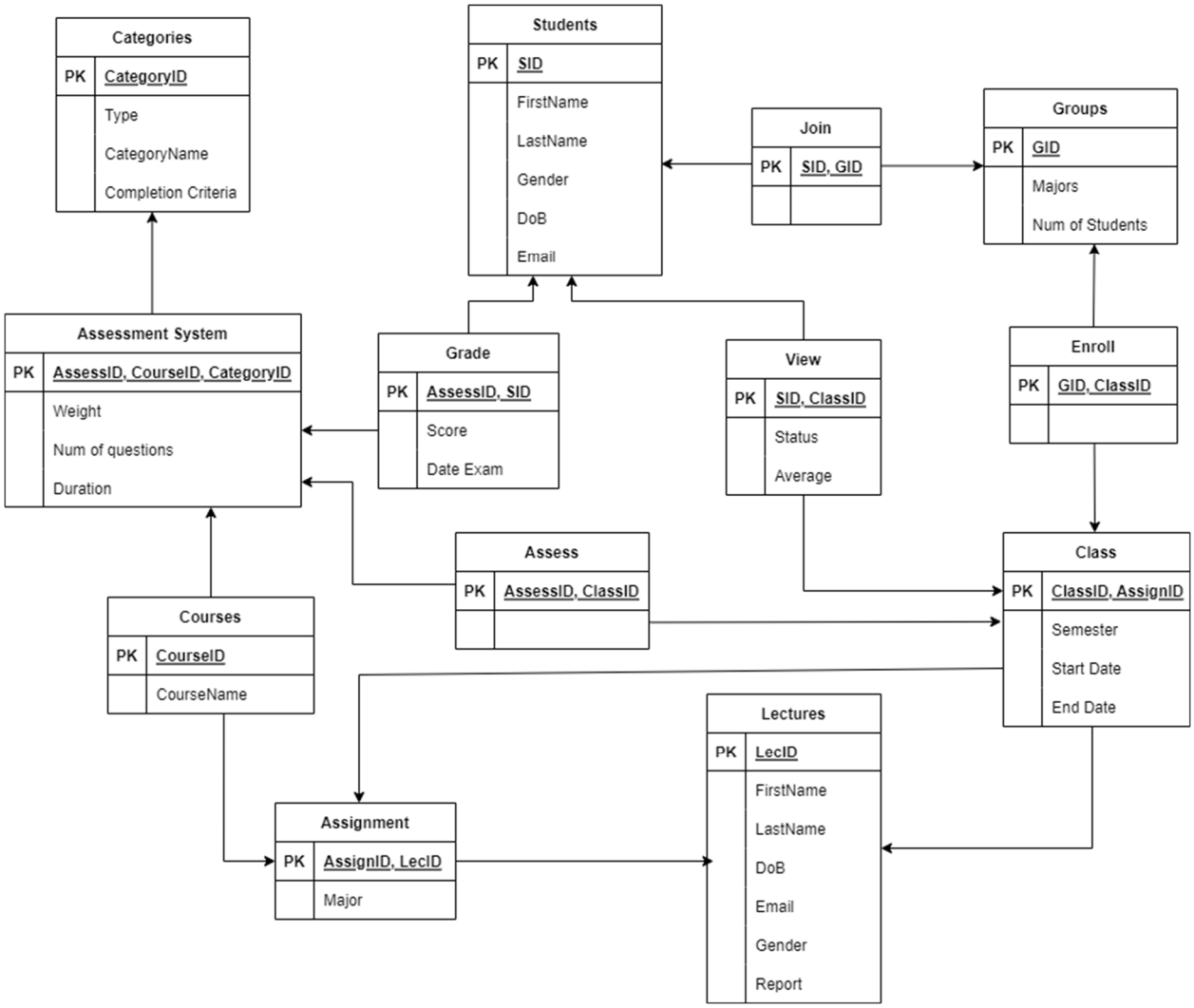
- **Table Assess**

Assess	
AssessID	varchar
ClassID	varchar

- **Table View**

View	
SID	varchar
ClassID	varchar
Status	varchar
Average	float

7. Database Diagram



8. Xác định Primary Key, Foreign Key, Attributes các Tables.

- **Table Students**

Attributes	Type	Format	Requires	Key
SID	Varchar	35	Not Null	Primary Key
FirstName	Nvarchar	35	Not Null	
LastName	Nvarchar	35	Not Null	
Gender	Bit		Not Null	
DoB	Date	yyyy/mm/dd	Not Null	
Email	Varchar	50	Not Null	

- **Table Join**

Attributes	Type	Format	Requires	Key
SID	Varchar	35	Not Null	Primary_Foreign Key
GID	Varchar	35	Not Null	Primary_Foreign Key

- **Table Groups**

Attributes	Type	Format	Requires	Key
GID	Varchar	35	Not Null	Primary Key
Major	Varchar	35	Not Null	
Num of Students	Int		Not Null	

- **Table Enroll**

Attributes	Type	Format	Requires	Key
GID	Varchar	35	Not Null	Primary_Foreign Key
ClassID	Varchar	35	Not Null	Primary_Foreign Key

- **Table Classes**

Attributes	Type	Format	Requires	Key
ClassID	Varchar	35	Not Null	Primary Key
AssignID	Varchar	35	Not Null	Foreign Key
Semester	Varchar	35	Not Null	
Start Date	date	yyyy/mm/dd	Not Null	
End Date	date	yyyy/mm/dd	Not Null	

- **Table Lectures**

Attributes	Type	Format	Requires	Key
LecID	Varchar	35	Not Null	Primary Key
FirstName	Nvarchar	35	Not Null	
LastName	Nvarchar	35	Not Null	
DoB	Date	yyyy/mm/dd	Not Null	
Email	Varchar	50	Not Null	
Gender	Bit		Not Null	
Report	Varchar	35	Null	Foreign Key

- **Table Assignment**

Attributes	Type	Format	Requires	Key
AssignID	Varchar	35	Not Null	Primary Key
LecID	Varchar	35	Not Null	Foreign Key
Major	Varchar	35	Not Null	

- **Table Courses**

Attributes	Type	Format	Requires	Key
CourseID	Varchar	35	Not Null	Primary Key
CourseName	Varchar	35	Not Null	

- **Table Assessment System**

Attributes	Type	Format	Requires	Key
AssessID	Varchar	35	Not Null	Primary Key
CourseID	Varchar	35	Not Null	Foreign Key
CategoryID	Varchar	35	Not Null	Foreign Key
Weight	Float	35	Not Null	
Num of Ques	Varchar	35	Not Null	
Email	Varchar	50	Not Null	

- **Table Categories**

Attributes	Type	Format	Requires	Key
CategoryID	Varchar	35	Not Null	Primary Key
Type	Varchar	35	Not Null	
CategoryName	Varchar	35	Not Null	
Completion Criteria	Varchar	35	Not Null	

- **Table Grade**

Attributes	Type	Format	Requires	Key
SID	Varchar	35	Not Null	Primary_Foreign Key
AssessID	Varchar	35	Not Null	Primary_Foreign Key
Score	Float	35	Not Null	
Date Exam	Date	yyyy/mm/dd	Not Null	

- **Table Assess**

Attributes	Type	Format	Requires	Key
AssessID	Varchar	35	Not Null	Primary_Foreign Key
ClassID	Varchar	35	Not Null	Primary_Foreign Key

- **Table View**

Attributes	Type	Format	Requires	Key
SID	Varchar	35	Not Null	Primary_Foreign Key
ClassID	Varchar	35	Not Null	Primary_Foreign Key
Status	Varchar	35	Not Null	
Average	Float	35	Not Null	

9. Tạo Database Diagram và đưa dữ liệu vào

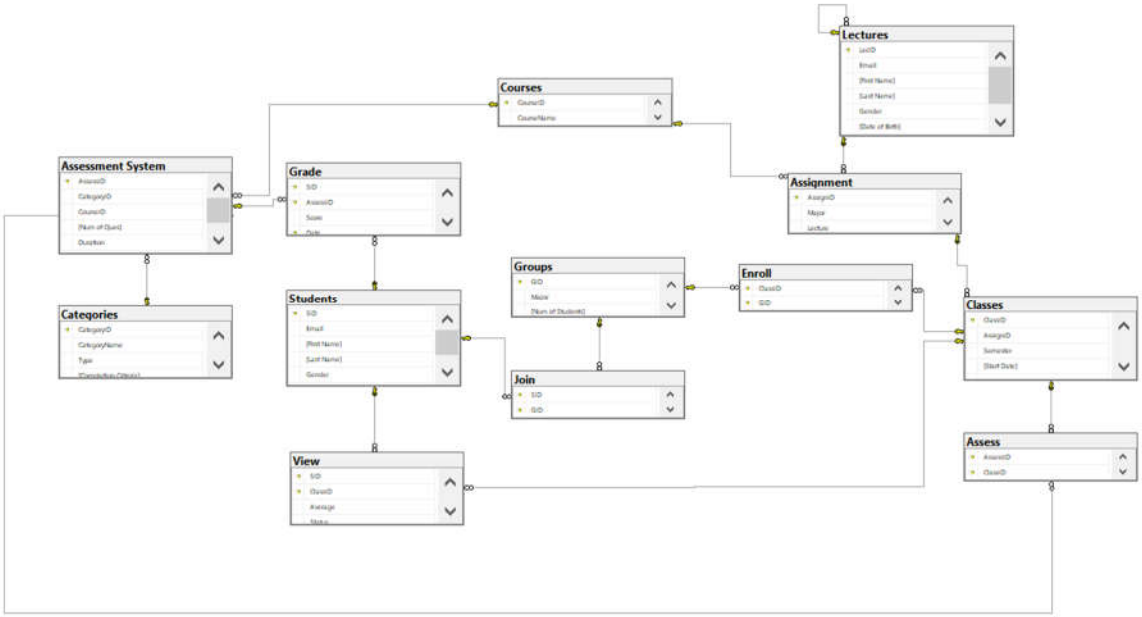
- **Create Tables and Attributes**

```
CREATE TABLE Students (
	[SID] [varchar](35) NOT NULL PRIMARY KEY,
	[Email] [varchar](50) NOT NULL,
	[First Name] [nvarchar](35) NOT NULL,
	[Last Name] [nvarchar](35) NOT NULL,
	[Gender] [bit] NOT NULL,
	[Date of Birth] [date] NOT NULL,
)

CREATE TABLE Groups (
	[GID] [varchar](35) NOT NULL PRIMARY KEY,
	[Major] [varchar](35) NOT NULL,
	[Num of Students] [int] NOT NULL,
)

CREATE TABLE [Join] (
	[SID] [varchar](35) NOT NULL,
	[GID] [varchar](35) NOT NULL,
	CONSTRAINT [PK_Join] PRIMARY KEY (SID, GID),
	CONSTRAINT [FK_Join_Groups] FOREIGN KEY([GID]) REFERENCES [dbo].[Groups] ([GID]),
	CONSTRAINT [FK_Join_Students] FOREIGN KEY([SID]) REFERENCES [dbo].[Students]
([SID])
)

CREATE TABLE Lectures (
	[LecID] [varchar](35) NOT NULL PRIMARY KEY,
	[Email] [varchar](50) NOT NULL,
	[First Name] [nvarchar](35) NOT NULL,
	[Last Name] [nvarchar](35) NOT NULL,
	[Gender] [bit] NOT NULL,
	[Date of Birth] [date] NOT NULL,
	[Report] [varchar](35) NULL,
	CONSTRAINT [FK_Lectures_Lectures] FOREIGN KEY([Report]) REFERENCES
[dbo].[Lectures] ([LecID]),
)

CREATE TABLE Courses (
	[CourseID] [varchar](35) NOT NULL PRIMARY KEY,
	[CourseName] [varchar](35) NOT NULL,
)

CREATE TABLE Assignment (
	[AssignID] [varchar](35) NOT NULL PRIMARY KEY,
	[Major] [varchar](35) NOT NULL,
	[Lecture] [varchar](35) NOT NULL,
	CONSTRAINT [FK_Assignment_Courses] FOREIGN KEY([Major]) REFERENCES [dbo].[Courses]
([CourseID]),
	CONSTRAINT [FK_Assignment_Lectures] FOREIGN KEY([Lecture]) REFERENCES
[dbo].[Lectures] ([LecID]),
)

CREATE TABLE Classes (
```

```
	[ClassID] [varchar](35) NOT NULL PRIMARY KEY,
	[AssignID] [varchar](35) NOT NULL,
	[Semester] [varchar](35) NOT NULL,
	[Start Date] [date] NOT NULL,
	[End Date] [date] NOT NULL,
	CONSTRAINT [FK_Classes_Assignment] FOREIGN KEY([AssignID]) REFERENCES
[dbo].[Assignment] ([AssignID]),
)

CREATE TABLE Enroll (
	[ClassID] [varchar](35) NOT NULL,
	[GID] [varchar](35) NOT NULL,
	CONSTRAINT [PK_Enroll] PRIMARY KEY (ClassID, GID),
	CONSTRAINT [FK_Enroll_Classes] FOREIGN KEY([ClassID]) REFERENCES [dbo].[Classes]
([ClassID]),
	CONSTRAINT [FK_Enroll_Groups] FOREIGN KEY([GID]) REFERENCES [dbo].[Groups] ([GID])
)

CREATE TABLE Categories (
	[CategoryID] [varchar](35) NOT NULL PRIMARY KEY ,
	[CategoryName] [varchar](35) NOT NULL,
	[Type] [varchar](35) NOT NULL,
	[Completion Criteria] [varchar](35) NOT NULL,
)

CREATE TABLE [Assessment System] (
	[AssessID] [varchar](35) NOT NULL PRIMARY KEY,
	[CategoryID] [varchar](35) NOT NULL,
	[CourseID] [varchar](35) NOT NULL,
	[Num of Ques] [int] NOT NULL,
	[Duration] [varchar](35) NOT NULL,
	[Weight] [float] NOT NULL,
	CONSTRAINT [FK_Assessment System_Categories] FOREIGN KEY([CategoryID]) REFERENCES
[dbo].[Categories] ([CategoryID]),
	CONSTRAINT [FK_Assessment System_Courses] FOREIGN KEY([CourseID]) REFERENCES
[dbo].[Courses] ([CourseID]),
)

CREATE TABLE Assess (
	[AssessID] [varchar](35) NOT NULL,
	[ClassID] [varchar](35) NOT NULL,
	CONSTRAINT [PK_Assess] PRIMARY KEY (AssessID, ClassID),
	CONSTRAINT [FK_Assess_Assessment System] FOREIGN KEY([AssessID]) REFERENCES
[dbo].[Assessment System] ([AssessID]),
	CONSTRAINT [FK_Assess_Classes] FOREIGN KEY([ClassID]) REFERENCES [dbo].[Classes]
([ClassID]),
)

CREATE TABLE Grade (
	[SID] [varchar](35) NOT NULL,
	[AssessID] [varchar](35) NOT NULL,
	[Score] [float] NOT NULL,
	[Date] [date] NOT NULL,
	CONSTRAINT [FK_Grade_Assessment System] FOREIGN KEY([AssessID]) REFERENCES
[dbo].[Assessment System] ([AssessID]),
	CONSTRAINT [FK_Grade_Students] FOREIGN KEY([SID]) REFERENCES [dbo].[Students]
([SID]),
	CONSTRAINT [PK_Grade] PRIMARY KEY (SID, AssessID, [Date]),
```

```
)

CREATE TABLE [View] (
	[SID] [varchar](35) NOT NULL,
	[ClassID] [varchar](35) NOT NULL,
	[Average] [float] NOT NULL,
	[Status] [varchar](35) NOT NULL,
	CONSTRAINT [PK_View] PRIMARY KEY (SID, ClassID),
	CONSTRAINT [FK_View_Classes] FOREIGN KEY([ClassID]) REFERENCES [dbo].[Classes]
([ClassID]),
	CONSTRAINT [FK_View_Students] FOREIGN KEY([SID]) REFERENCES [dbo].[Students]
([SID]),
)
```

➔ **Image result**



- **SELECT * FROM Students**

```
INSERT [dbo].[Students] ([SID], [Email], [First Name], [Last Name], [Gender], [Date of
Birth]) VALUES (N'HE160001', N'chungdv@fpt.edu.vn', N'Chung', N'Đỗ Văn', 1, CAST(N'2002-
07-05' AS Date));
INSERT [dbo].[Students] ([SID], [Email], [First Name], [Last Name], [Gender], [Date of
Birth]) VALUES (N'HE160002', N'ducnvfpt.edu.vn', N'Đức', N'Nguyễn Văn', 1, CAST(N'2002-
03-09' AS Date));
INSERT [dbo].[Students] ([SID], [Email], [First Name], [Last Name], [Gender], [Date of
Birth]) VALUES (N'HE160003', N'anhlv@fpt.edu.vn', N'Anh', N'Lê Việt', 1, CAST(N'2002-06-
10' AS Date));
INSERT [dbo].[Students] ([SID], [Email], [First Name], [Last Name], [Gender], [Date of
Birth]) VALUES (N'HE160004', N'dathm@fpt.edu.vn', N'Đạt', N'Hà Mạnh', 1, CAST(N'2002-07-
19' AS Date));
```

```sql
INSERT [dbo].[Students] ([SID], [Email], [First Name], [Last Name], [Gender], [Date of Birth]) VALUES (N'HE160005', N'namtv@fpt.edu.vn', N'Nam', N'Tạ Việt', 1, CAST(N'2002-09-17' AS Date));
INSERT [dbo].[Students] ([SID], [Email], [First Name], [Last Name], [Gender], [Date of Birth]) VALUES (N'HE160006', N'huyvd@fpt.edu.vn', N'Huy', N'Vũ Đức', 1, CAST(N'2002-09-01' AS Date));
INSERT [dbo].[Students] ([SID], [Email], [First Name], [Last Name], [Gender], [Date of Birth]) VALUES (N'HE160007', N'duccn@fpt.edu.vn', N'Đức', N'Châu Ngọc', 1, CAST(N'2002-10-11' AS Date));
INSERT [dbo].[Students] ([SID], [Email], [First Name], [Last Name], [Gender], [Date of Birth]) VALUES (N'HE160008', N'anhdd@fpt.edu.vn', N'Anh', N'Đỗ Đức', 1, CAST(N'2002-06-22' AS Date));
INSERT [dbo].[Students] ([SID], [Email], [First Name], [Last Name], [Gender], [Date of Birth]) VALUES (N'HE160009', N'huynn@fpt.edu.vn', N'Huy', N'Nguyễn Nhật', 1, CAST(N'2002-03-08' AS Date));
INSERT [dbo].[Students] ([SID], [Email], [First Name], [Last Name], [Gender], [Date of Birth]) VALUES (N'HE160010', N'dattcd@fpt.edu.vn', N'Đạt', N'Trần Công Doãn', 1, CAST(N'2002-10-20' AS Date));
INSERT [dbo].[Students] ([SID], [Email], [First Name], [Last Name], [Gender], [Date of Birth]) VALUES (N'HE160011', N'tamttt@fpt.edu.vn', N'Tâm', N'Trần Thị Thanh', 0, CAST(N'2002-01-21' AS Date));
INSERT [dbo].[Students] ([SID], [Email], [First Name], [Last Name], [Gender], [Date of Birth]) VALUES (N'HE160012', N'datnt@fpt.edu.vn', N'Đat', N'Nguyễn Thành', 1, CAST(N'2002-08-23' AS Date));
INSERT [dbo].[Students] ([SID], [Email], [First Name], [Last Name], [Gender], [Date of Birth]) VALUES (N'HE160013', N'hath@fpt.edu.vn', N'Hà', N'Trần Hải', 1, CAST(N'2002-07-03' AS Date));
INSERT [dbo].[Students] ([SID], [Email], [First Name], [Last Name], [Gender], [Date of Birth]) VALUES (N'HE160014', N'quandm@fpt.edu.vn', N'Quân', N'Đỗ Minh', 1, CAST(N'2002-10-12' AS Date));
INSERT [dbo].[Students] ([SID], [Email], [First Name], [Last Name], [Gender], [Date of Birth]) VALUES (N'HE160015', N'duongnn@fpt.edu.vn', N'Dương', N'Nguyễn Ngọc', 1, CAST(N'2002-07-31' AS Date));
INSERT [dbo].[Students] ([SID], [Email], [First Name], [Last Name], [Gender], [Date of Birth]) VALUES (N'HE160016', N'thinhnd@fpt.edu.vn', N'Thịnh', N'Nguyễn Doanh', 1, CAST(N'2002-08-08' AS Date));
INSERT [dbo].[Students] ([SID], [Email], [First Name], [Last Name], [Gender], [Date of Birth]) VALUES (N'HE160017', N'duongnt@fpt.edu.vn', N'Dương', N'Nguyễn Tùng', 1, CAST(N'2002-07-22' AS Date));
INSERT [dbo].[Students] ([SID], [Email], [First Name], [Last Name], [Gender], [Date of Birth]) VALUES (N'HE160018', N'anhvt@fpt.edu.vn', N'Anh', N'Vũ Tuấn', 1, CAST(N'2002-03-03' AS Date));
INSERT [dbo].[Students] ([SID], [Email], [First Name], [Last Name], [Gender], [Date of Birth]) VALUES (N'HE160019', N'thanhtd@fpt.edu.vn', N'Thành', N'Triệu Đức', 1, CAST(N'2002-05-15' AS Date));
INSERT [dbo].[Students] ([SID], [Email], [First Name], [Last Name], [Gender], [Date of Birth]) VALUES (N'HE160020', N'hieulkm@fpt.edu.vn', N'Hiếu', N'Lê Khắc Minh', 1, CAST(N'2002-04-04' AS Date));
INSERT [dbo].[Students] ([SID], [Email], [First Name], [Last Name], [Gender], [Date of Birth]) VALUES (N'HE160021', N'vuongnv@fpt.edu.vn', N'Vương', N'Nguyễn Văn', 1, CAST(N'2002-03-31' AS Date));
INSERT [dbo].[Students] ([SID], [Email], [First Name], [Last Name], [Gender], [Date of Birth]) VALUES (N'HE160022', N'minhtt@fpt.edu.vn', N'Minh', N'Trương Hoàng', 1, CAST(N'2002-02-08' AS Date));
INSERT [dbo].[Students] ([SID], [Email], [First Name], [Last Name], [Gender], [Date of Birth]) VALUES (N'HE160023', N'hiepdv@fpt.edu.vn', N'Hiệp', N'Đào Vũ', 1, CAST(N'2002-11-20' AS Date));
```

```sql
INSERT [dbo].[Students] ([SID], [Email], [First Name], [Last Name], [Gender], [Date of Birth]) VALUES (N'HE160024', N'thuongnc@fpt.edu.vn', N'Thương', N'Nguyễn Cảnh', 1, CAST(N'2002-02-15' AS Date));
INSERT [dbo].[Students] ([SID], [Email], [First Name], [Last Name], [Gender], [Date of Birth]) VALUES (N'HE160025', N'huynq@fpt.edu.vn', N'Huy', N'Nguyễn Quang', 1, CAST(N'2002-01-15' AS Date));
INSERT [dbo].[Students] ([SID], [Email], [First Name], [Last Name], [Gender], [Date of Birth]) VALUES (N'HE160026', N'namnn@fpt.edu.vn', N'Nam', N'Nguyễn Nhật', 1, CAST(N'2002-01-29' AS Date));
INSERT [dbo].[Students] ([SID], [Email], [First Name], [Last Name], [Gender], [Date of Birth]) VALUES (N'HE160027', N'quangnv@fpt.edu.vn', N'Quang', N'Nguyễn Văn', 1, CAST(N'2002-02-28' AS Date));
INSERT [dbo].[Students] ([SID], [Email], [First Name], [Last Name], [Gender], [Date of Birth]) VALUES (N'HE160028', N'sont@fpt.edu.vn', N'Sơn', N'Trịnh Tùng', 1, CAST(N'2002-02-01' AS Date));
INSERT [dbo].[Students] ([SID], [Email], [First Name], [Last Name], [Gender], [Date of Birth]) VALUES (N'HE160029', N'dangph@fpt.edu.vn', N'Đăng', N'Phạm Hồng', 1, CAST(N'2002-09-23' AS Date));
INSERT [dbo].[Students] ([SID], [Email], [First Name], [Last Name], [Gender], [Date of Birth]) VALUES (N'HE160030', N'manhvv@fpt.edu.vn', N'Mạnh', N'Võ Viết', 1, CAST(N'2002-07-26' AS Date));
INSERT [dbo].[Students] ([SID], [Email], [First Name], [Last Name], [Gender], [Date of Birth]) VALUES (N'HE160031', N'vutq@fpt.edu.vn', N'Vũ', N'Thái Quang', 1, CAST(N'2002-12-15' AS Date));
INSERT [dbo].[Students] ([SID], [Email], [First Name], [Last Name], [Gender], [Date of Birth]) VALUES (N'HE160032', N'vietpq@fpt.edu.vn', N'Việt', N'Phạm Quang', 1, CAST(N'2002-12-26' AS Date));
INSERT [dbo].[Students] ([SID], [Email], [First Name], [Last Name], [Gender], [Date of Birth]) VALUES (N'HE160033', N'dantt@fpt.edu.vn', N'Đan', N'Trần Thái', 1, CAST(N'2002-01-29' AS Date));
INSERT [dbo].[Students] ([SID], [Email], [First Name], [Last Name], [Gender], [Date of Birth]) VALUES (N'HE160034', N'uyennt@fpt.edu.vn', N'Uyên', N'Nguyễn Thu', 0, CAST(N'2002-04-16' AS Date));
INSERT [dbo].[Students] ([SID], [Email], [First Name], [Last Name], [Gender], [Date of Birth]) VALUES (N'HE160035', N'vanvt@fpt.edu.vn', N'Vân', N'Vũ Thảo', 0, CAST(N'2002-07-13' AS Date));
INSERT [dbo].[Students] ([SID], [Email], [First Name], [Last Name], [Gender], [Date of Birth]) VALUES (N'HE160036', N'linhpt@fpt.edu.vn', N'Linh', N'Phan Thùy', 0, CAST(N'2002-07-18' AS Date));
INSERT [dbo].[Students] ([SID], [Email], [First Name], [Last Name], [Gender], [Date of Birth]) VALUES (N'HE160037', N'tudt@fpt.edu.vn', N'Tú', N'Dương Trần', 1, CAST(N'2002-05-14' AS Date));
INSERT [dbo].[Students] ([SID], [Email], [First Name], [Last Name], [Gender], [Date of Birth]) VALUES (N'HE160038', N'quocnt@fpt.edu.vn', N'Quốc', N'Nguyễn Trung', 1, CAST(N'2002-11-11' AS Date));
INSERT [dbo].[Students] ([SID], [Email], [First Name], [Last Name], [Gender], [Date of Birth]) VALUES (N'HE160039', N'binhlb@fpt.edu.vn', N'Bình', N'Lê Bảo', 1, CAST(N'2002-09-12' AS Date));
INSERT [dbo].[Students] ([SID], [Email], [First Name], [Last Name], [Gender], [Date of Birth]) VALUES (N'HE160040', N'tungnt@fpt.edu.vn', N'Tùng', N'Nguyễn Thanh', 1, CAST(N'2002-02-10' AS Date));
INSERT [dbo].[Students] ([SID], [Email], [First Name], [Last Name], [Gender], [Date of Birth]) VALUES (N'HE160041', N'anhnn@fpt.edu.vn', N'Anh', N'Nguyễn Ngọc', 0, CAST(N'2002-07-13' AS Date));
INSERT [dbo].[Students] ([SID], [Email], [First Name], [Last Name], [Gender], [Date of Birth]) VALUES (N'HE160042', N'nguyetht@fpt.edu.vn', N'Nguyệt', N'Hoàng Thị', 0, CAST(N'2002-05-04' AS Date));
```

```sql
INSERT [dbo].[Students] ([SID], [Email], [First Name], [Last Name], [Gender], [Date of Birth]) VALUES (N'HE160043', N'tungtv@fpt.edu.vn', N'Tùng', N'Trần Văn', 1, CAST(N'2002-08-04' AS Date));
INSERT [dbo].[Students] ([SID], [Email], [First Name], [Last Name], [Gender], [Date of Birth]) VALUES (N'HE160044', N'hoangdv@fpt.edu.vn', N'Hoàng', N'Đào Văn', 1, CAST(N'2002-02-09' AS Date));
INSERT [dbo].[Students] ([SID], [Email], [First Name], [Last Name], [Gender], [Date of Birth]) VALUES (N'HE160045', N'daoha@fpt.edu.vn', N'Đào', N'Hà Anh', 0, CAST(N'2002-05-05' AS Date));
INSERT [dbo].[Students] ([SID], [Email], [First Name], [Last Name], [Gender], [Date of Birth]) VALUES (N'HE160046', N'trangnt@fpt.edu.vn', N'Trang', N'Nguyễn Thùy', 0, CAST(N'2002-03-03' AS Date));
INSERT [dbo].[Students] ([SID], [Email], [First Name], [Last Name], [Gender], [Date of Birth]) VALUES (N'HE160047', N'gianglm@fpt.edu.vn', N'Giang', N'Lương Minh', 0, CAST(N'2002-07-13' AS Date));
INSERT [dbo].[Students] ([SID], [Email], [First Name], [Last Name], [Gender], [Date of Birth]) VALUES (N'HE160048', N'cont@fpt.edu.vn', N'Cơ', N'Nguyễn Thanh', 0, CAST(N'2002-11-17' AS Date));
INSERT [dbo].[Students] ([SID], [Email], [First Name], [Last Name], [Gender], [Date of Birth]) VALUES (N'HE160049', N'thutm@fpt.edu.vn', N'Thư', N'Tạ Minh', 0, CAST(N'2002-12-21' AS Date));
INSERT [dbo].[Students] ([SID], [Email], [First Name], [Last Name], [Gender], [Date of Birth]) VALUES (N'HE160050', N'anhpt@fpt.edu.vn', N'Anh', N'Phan Tuyết', 0, CAST(N'2002-10-23' AS Date));
```

➔ **Image result**

70 %

Results | Messages

	SID	Email	First Name	Last Name	Gender	Date of Birth
1	HE160001	chungdv@fpt.edu.vn	Chung	Đỗ Văn	1	2002-07-05
2	HE160002	ducnvfpt.edu.vn	Đức	Nguyễn Văn	1	2002-03-09
3	HE160003	anhlv@fpt.edu.vn	Anh	Lê Việt	1	2002-06-10
4	HE160004	dathm@fpt.edu.vn	Đạt	Hà Mạnh	1	2002-07-19
5	HE160005	namtv@fpt.edu.vn	Nam	Tạ Việt	1	2002-09-17
6	HE160006	huyvd@fpt.edu.vn	Huy	Vũ Đức	1	2002-09-01
7	HE160007	duccn@fpt.edu.vn	Đức	Châu Ngọc	1	2002-10-11
8	HE160008	anhdd@fpt.edu.vn	Anh	Đỗ Đức	1	2002-06-22
9	HE160009	huynn@fpt.edu.vn	Huy	Nguyễn N...	1	2002-03-08
10	HE160010	dattcd@fpt.edu.vn	Đạt	Trần Công...	1	2002-10-20
11	HE160011	tamttt@fpt.edu.vn	Tâm	Trần Thị T...	0	2002-01-21
12	HE160012	datnt@fpt.edu.vn	Đạt	Nguyễn Th...	1	2002-08-23
13	HE160013	hath@fpt.edu.vn	Hà	Trần Hải	1	2002-07-03
14	HE160014	quandm@fpt.edu.vn	Quân	Đỗ Minh	1	2002-10-12
15	HE160015	duongnn@fpt.edu....	Dương	Nguyễn N...	1	2002-07-31
16	HE160016	thinhnd@fpt.edu.vn	Thịnh	Nguyễn D...	1	2002-08-08
17	HE160017	duongnt@fpt.edu.vn	Dương	Nguyễn Tú...	1	2002-07-22
18	HE160018	anhvt@fpt.edu.vn	Anh	Vũ Tuấn	1	2002-03-03
19	HE160019	thanhtd@fpt.edu.vn	Thành	Triệu Đức	1	2002-05-15
20	HE160020	hieulkm@fpt.edu.vn	Hiếu	Lê Khắc M...	1	2002-04-04
21	HE160021	vuongnv@fpt.edu.vn	Vương	Nguyễn Văn	1	2002-03-31
22	HE160022	minhtt@fpt.edu.vn	Minh	Trương Ho...	1	2002-02-08
23	HE160023	hiepdv@fpt.edu.vn	Hiệp	Đào Vũ	1	2002-11-20
24	HE160024	thuongnc@fpt.edu...	Thương	Nguyễn C...	1	2002-02-15
25	HE160025	huynq@fpt.edu.vn	Huy	Nguyễn Q...	1	2002-01-15
26	HE160026	namnn@fpt.edu.vn	Nam	Nguyễn N...	1	2002-01-29

Query executed successfully.

- **SELECT * FROM Groups**

```
INSERT Groups(GID, Major, [Num of Students]) VALUES ('IA1604', 'Information Assurance',
30);
INSERT Groups(GID, Major, [Num of Students]) VALUES ('AI1606', 'Artificial Intelligence',
28);
INSERT Groups(GID, Major, [Num of Students]) VALUES ('SE1636', 'Software Engineering',
25);
INSERT Groups(GID, Major, [Num of Students]) VALUES ('IOT1602', 'Internet of Things',
30);
INSERT Groups(GID, Major, [Num of Students]) VALUES ('AI1601', 'Artificial Intelligence',
29);
INSERT Groups(GID, Major, [Num of Students]) VALUES ('IA1601', 'Information Assurance',
27);
INSERT Groups(GID, Major, [Num of Students]) VALUES ('SE1643', 'Software Engineering',
29);
INSERT Groups(GID, Major, [Num of Students]) VALUES ('IA1602', 'Information Assurance',
26);
INSERT Groups(GID, Major, [Num of Students]) VALUES ('IS1603', 'Information
Specialization', 25);
INSERT Groups(GID, Major, [Num of Students]) VALUES ('SE1637', 'Software Engineering',
28);
```

➔ **Image result**

	GID	Major	Num of Students
1	AI1601	Artificial Intelligence	29
2	AI1606	Artificial Intelligence	28
3	IA1601	Information Assur...	27
4	IA1602	Information Assur...	26
5	IA1604	Information Assur...	30
6	IOT1...	Internet of Things	30
7	IS1603	Information Speci...	25
8	SE16...	Software Enginee...	25
9	SE16...	Software Enginee...	28
10	SE16...	Software Enginee...	29

- **SELECT * FROM [Join]**

```
INSERT [Join](SID, GID) VALUES ('HE160001', 'IA1604');
INSERT [Join](SID, GID) VALUES ('HE160002', 'IA1604');
INSERT [Join](SID, GID) VALUES ('HE160003', 'IA1604');
INSERT [Join](SID, GID) VALUES ('HE160004', 'IA1604');
```

```sql
INSERT [Join](SID, GID) VALUES ('HE160005', 'IA1604');
INSERT [Join](SID, GID) VALUES ('HE160006', 'IA1604');
INSERT [Join](SID, GID) VALUES ('HE160007', 'IA1604');
INSERT [Join](SID, GID) VALUES ('HE160008', 'IA1604');
INSERT [Join](SID, GID) VALUES ('HE160009', 'IA1604');
INSERT [Join](SID, GID) VALUES ('HE160010', 'IA1604');

INSERT [Join](SID, GID) VALUES ('HE160011', 'AI1606');
INSERT [Join](SID, GID) VALUES ('HE160012', 'AI1606');
INSERT [Join](SID, GID) VALUES ('HE160013', 'AI1606');
INSERT [Join](SID, GID) VALUES ('HE160014', 'AI1606');
INSERT [Join](SID, GID) VALUES ('HE160015', 'AI1606');
INSERT [Join](SID, GID) VALUES ('HE160016', 'AI1606');
INSERT [Join](SID, GID) VALUES ('HE160017', 'AI1606');
INSERT [Join](SID, GID) VALUES ('HE160018', 'AI1606');
INSERT [Join](SID, GID) VALUES ('HE160019', 'AI1606');
INSERT [Join](SID, GID) VALUES ('HE160020', 'AI1606');

INSERT [Join](SID, GID) VALUES ('HE160021', 'SE1636');
INSERT [Join](SID, GID) VALUES ('HE160022', 'SE1636');
INSERT [Join](SID, GID) VALUES ('HE160023', 'SE1636');
INSERT [Join](SID, GID) VALUES ('HE160024', 'SE1636');
INSERT [Join](SID, GID) VALUES ('HE160025', 'SE1636');
INSERT [Join](SID, GID) VALUES ('HE160026', 'SE1636');
INSERT [Join](SID, GID) VALUES ('HE160027', 'SE1636');
INSERT [Join](SID, GID) VALUES ('HE160028', 'SE1636');
INSERT [Join](SID, GID) VALUES ('HE160029', 'SE1636');
INSERT [Join](SID, GID) VALUES ('HE160030', 'SE1636');

INSERT [Join](SID, GID) VALUES ('HE160031', 'IOT1602');
INSERT [Join](SID, GID) VALUES ('HE160032', 'IOT1602');
INSERT [Join](SID, GID) VALUES ('HE160033', 'IOT1602');
INSERT [Join](SID, GID) VALUES ('HE160034', 'IOT1602');
INSERT [Join](SID, GID) VALUES ('HE160035', 'IOT1602');
INSERT [Join](SID, GID) VALUES ('HE160036', 'IOT1602');
INSERT [Join](SID, GID) VALUES ('HE160037', 'IOT1602');
INSERT [Join](SID, GID) VALUES ('HE160038', 'IOT1602');
INSERT [Join](SID, GID) VALUES ('HE160039', 'IOT1602');
INSERT [Join](SID, GID) VALUES ('HE160040', 'IOT1602');

INSERT [Join](SID, GID) VALUES ('HE160041', 'IS1603');
INSERT [Join](SID, GID) VALUES ('HE160042', 'IS1603');
INSERT [Join](SID, GID) VALUES ('HE160043', 'IS1603');
INSERT [Join](SID, GID) VALUES ('HE160044', 'IS1603');
INSERT [Join](SID, GID) VALUES ('HE160045', 'IS1603');
INSERT [Join](SID, GID) VALUES ('HE160046', 'IS1603');
INSERT [Join](SID, GID) VALUES ('HE160047', 'IS1603');
INSERT [Join](SID, GID) VALUES ('HE160048', 'IS1603');
INSERT [Join](SID, GID) VALUES ('HE160049', 'IS1603');
INSERT [Join](SID, GID) VALUES ('HE160050', 'IS1603');
```

➔ **Image result**

	SID	GID
1	HE160001	IA1604
2	HE160002	IA1604
3	HE160003	IA1604
4	HE160004	IA1604
5	HE160005	IA1604
6	HE160006	IA1604
7	HE160007	IA1604
8	HE160008	IA1604
9	HE160009	IA1604
10	HE160010	IA1604
11	HE160011	AI1606
12	HE160012	AI1606
13	HE160013	AI1606
14	HE160014	AI1606
15	HE160015	AI1606
16	HE160016	AI1606
17	HE160017	AI1606
18	HE160018	AI1606
19	HE160019	AI1606
20	HE160020	AI1606
21	HE160021	SE16...
22	HE160022	SE16...
23	HE160023	SE16...
24	HE160024	SE16...
25	HE160025	SE16...
26	HE160026	SE16

- **SELECT * FROM Lectures**

```
INSERT Lectures(LecID, Email, [First Name], [Last Name], Gender, [Date of Birth], Report)
VALUES ('GVA', 'khuongpd@fe.edu.vn', N'Khương', N'Phùng Duy', 1, CAST('1991-05-19' AS
date), NULL);
INSERT Lectures(LecID, Email, [First Name], [Last Name], Gender, [Date of Birth], Report)
VALUES ('GVB', 'anhbn@fe.edu.vn', N'Anh', N'Bùi Ngọc', 0, CAST('1992-06-10' AS date),
'GVA');
```

```sql
INSERT Lectures(LecID, Email, [First Name], [Last Name], Gender, [Date of Birth], Report)
VALUES ('GVC', 'phuonglh@fe.edu.vn', N'Phương', N'Lại Hiền', 0, CAST('1988-03-01' AS
date), 'GVA');
INSERT Lectures(LecID, Email, [First Name], [Last Name], Gender, [Date of Birth], Report)
VALUES ('GVG', 'chilp@fe.edu.vn', N'Lê', N'Phương Chi', 0, CAST('1989-09-01' AS date),
'GVF');
INSERT Lectures(LecID, Email, [First Name], [Last Name], Gender, [Date of Birth], Report)
VALUES ('GVH', 'cuonghd@fe.edu.vn', N'Cường', N'Hoàng Đình', 1, CAST('1990-08-12' AS
date), NULL);
INSERT Lectures(LecID, Email, [First Name], [Last Name], Gender, [Date of Birth], Report)
VALUES ('GVI', 'sonnt@fe.edu.vn', N'Sơn', N'Ngô Tùng', 1, CAST('1980-10-21' AS date),
'GVH');
INSERT Lectures(LecID, Email, [First Name], [Last Name], Gender, [Date of Birth], Report)
VALUES ('GVJ', 'tientd@fe.edu.vn', N'Tiến', N'Tạ Đình', 1, CAST('1987-05-24' AS date),
'GVH');
INSERT Lectures(LecID, Email, [First Name], [Last Name], Gender, [Date of Birth], Report)
VALUES ('GVK', 'bantq@fe.edu.vn', N'Ban', N'Trần Quý', 1, CAST('1986-12-31' AS date),
'GVH');
```

➔ Image result

Results | Messages

	LecID	Email	First Name	Last Name	Gender	Date of Birth	Report
1	GVA	khuongpd@fe.edu.vn	Khương	Phùng Duy	1	1991-05-19	NULL
2	GVB	anhbn@fe.edu.vn	Anh	Bùi Ngọc	0	1992-06-10	GVA
3	GVC	phuonglh@fe.edu.vn	Phương	Lại Hiền	0	1988-03-01	GVA
4	GVH	cuonghd@fe.edu.vn	Cường	Hoàng Đì...	1	1990-08-12	NULL
5	GVI	sonnt@fe.edu.vn	Sơn	Ngô Tùng	1	1980-10-21	GVH
6	GVJ	tientd@fe.edu.vn	Tiến	Tạ Đình	1	1987-05-24	GVH
7	GVK	bantq@fe.edu.vn	Ban	Trần Quý	1	1986-12-31	GVH

- **SELECT * FROM Courses**

```sql
INSERT [dbo].[Courses]([CourseID], [CourseName]) VALUES (N'CSD201', N'Data Structures and
Algorithms');
INSERT [dbo].[Courses]([CourseID], [CourseName]) VALUES (N'DBI202', N'Introduction to
Databases');
INSERT [dbo].[Courses]([CourseID], [CourseName]) VALUES (N'LAB211', N'OOP with Java
Labs');
INSERT [dbo].[Courses]([CourseID], [CourseName]) VALUES (N'IAO202', N'Introduction to
Infor Assurance');
INSERT [dbo].[Courses]([CourseID], [CourseName]) VALUES (N'JPD113', N'Elementary Japanese
1-A1.1');
```

➔ Image result

Results | Messages

	CourseID	CourseName
1	CSD201	Data Structures and Algorithms
2	DBI202	Introduction to Databases
3	IAO202	Introduction to Infor Assurance
4	JPD113	Elementary Japanese 1-A1.1
5	LAB211	OOP with Java Labs

- **SELECT * FROM Assignment**

```
INSERT Assignment(AssignID, Major, Lecture) VALUES ('DBI1', 'DBI202', 'GVA');
INSERT Assignment(AssignID, Major, Lecture) VALUES ('DBI2', 'DBI202', 'GVB');
INSERT Assignment(AssignID, Major, Lecture) VALUES ('JPD3', 'JPD113', 'GVC');
INSERT Assignment(AssignID, Major, Lecture) VALUES ('IAO1', 'IAO202', 'GVJ');
INSERT Assignment(AssignID, Major, Lecture) VALUES ('LAB1', 'LAB211', 'GVH');
INSERT Assignment(AssignID, Major, Lecture) VALUES ('IAO3', 'IAO202', 'GVI');
INSERT Assignment(AssignID, Major, Lecture) VALUES ('JPD1', 'JPD113', 'GVJ');
INSERT Assignment(AssignID, Major, Lecture) VALUES ('CSD1', 'CSD201', 'GVK');
INSERT Assignment(AssignID, Major, Lecture) VALUES ('JPD2', 'JPD113', 'GVA');
INSERT Assignment(AssignID, Major, Lecture) VALUES ('LAB2', 'LAB211', 'GVB');
INSERT Assignment(AssignID, Major, Lecture) VALUES ('DBI3', 'DBI202', 'GVC');
INSERT Assignment(AssignID, Major, Lecture) VALUES ('LAB3', 'LAB211', 'GVA');
INSERT Assignment(AssignID, Major, Lecture) VALUES ('CSD2', 'CSD201', 'GVH');
INSERT Assignment(AssignID, Major, Lecture) VALUES ('IAO2', 'IAO202', 'GVJ');
```

➔ **Image result**

Results | Messages

	AssignID	Major	Lecture
1	CSD1	CSD201	GVK
2	CSD2	CSD201	GVH
3	CSD3	CSD201	GVI
4	DBI1	DBI202	GVA
5	DBI2	DBI202	GVB
6	DBI3	DBI202	GVC
7	IAO1	IAO202	GVJ
8	IAO2	IAO202	GVJ
9	IAO3	LAB211	GVI
10	JPD1	JPD113	GVJ
11	JPD2	JPD113	GVA
12	JPD3	JPD113	GVC
13	LAB1	LAB211	GVH
14	LAB2	LAB211	GVB
15	LAB3	LAB211	GVA

- **SELECT * FROM Classes**

```sql
INSERT Classes(ClassID, AssignID, Semester, [Start Date], [End Date]) VALUES ('SP22IAO1',
'IAO1', 'SPRING 2022', CAST('2022-05-09' AS date), CAST('2022-07-25' AS date));
INSERT Classes(ClassID, AssignID, Semester, [Start Date], [End Date]) VALUES ('SP22DBI1',
'DBI1', 'SPRING 2022', CAST('2022-05-09' AS date), CAST('2022-07-25' AS date));
INSERT Classes(ClassID, AssignID, Semester, [Start Date], [End Date]) VALUES ('SP22CSD2',
'CSD2', 'SPRING 2022', CAST('2022-05-09' AS date), CAST('2022-07-25' AS date));
INSERT Classes(ClassID, AssignID, Semester, [Start Date], [End Date]) VALUES ('SP22JPD3',
'JPD3', 'SPRING 2022', CAST('2022-05-09' AS date), CAST('2022-07-25' AS date));
INSERT Classes(ClassID, AssignID, Semester, [Start Date], [End Date]) VALUES ('SP22IAO2',
'IAO2', 'SPRING 2022', CAST('2022-05-09' AS date), CAST('2022-07-25' AS date));
INSERT Classes(ClassID, AssignID, Semester, [Start Date], [End Date]) VALUES ('SP22LAB1',
'LAB1', 'SPRING 2022', CAST('2022-05-09' AS date), CAST('2022-07-25' AS date));
INSERT Classes(ClassID, AssignID, Semester, [Start Date], [End Date]) VALUES ('SP22CSD3',
'CSD3', 'SPRING 2022', CAST('2022-05-09' AS date), CAST('2022-07-25' AS date));
INSERT Classes(ClassID, AssignID, Semester, [Start Date], [End Date]) VALUES ('SP22IAO3',
'IAO3', 'SPRING 2022', CAST('2022-05-09' AS date), CAST('2022-07-25' AS date));
INSERT Classes(ClassID, AssignID, Semester, [Start Date], [End Date]) VALUES ('SP22LAB2',
'LAB2', 'SPRING 2022', CAST('2022-05-09' AS date), CAST('2022-07-25' AS date));
INSERT Classes(ClassID, AssignID, Semester, [Start Date], [End Date]) VALUES ('SP22DBI2',
'DBI2', 'SPRING 2022', CAST('2022-05-09' AS date), CAST('2022-07-25' AS date));

INSERT Classes(ClassID, AssignID, Semester, [Start Date], [End Date]) VALUES ('FA21LAB1',
'LAB1', 'FALL 2021', CAST('2021-01-09' AS date), CAST('2021-04-08' AS date));
INSERT Classes(ClassID, AssignID, Semester, [Start Date], [End Date]) VALUES ('FA21JPD1',
'JPD1', 'FALL 2021', CAST('2021-01-09' AS date), CAST('2021-04-08' AS date));
INSERT Classes(ClassID, AssignID, Semester, [Start Date], [End Date]) VALUES ('FA21DBI1',
'DBI1', 'FALL 2021', CAST('2021-01-09' AS date), CAST('2021-04-08' AS date));
INSERT Classes(ClassID, AssignID, Semester, [Start Date], [End Date]) VALUES ('FA21IAO1',
'IAO1', 'FALL 2021', CAST('2021-01-09' AS date), CAST('2021-04-08' AS date));
INSERT Classes(ClassID, AssignID, Semester, [Start Date], [End Date]) VALUES ('FA21CSD1',
'CSD1', 'FALL 2021', CAST('2021-01-09' AS date), CAST('2021-04-08' AS date));
INSERT Classes(ClassID, AssignID, Semester, [Start Date], [End Date]) VALUES ('FA21DBI3',
'DBI3', 'FALL 2021', CAST('2021-01-09' AS date), CAST('2021-04-08' AS date));
INSERT Classes(ClassID, AssignID, Semester, [Start Date], [End Date]) VALUES ('FA21LAB2',
'LAB2', 'FALL 2021', CAST('2021-01-09' AS date), CAST('2021-04-08' AS date));
INSERT Classes(ClassID, AssignID, Semester, [Start Date], [End Date]) VALUES ('FA21JPD2',
'JPD2', 'FALL 2021', CAST('2021-01-09' AS date), CAST('2021-04-08' AS date));
INSERT Classes(ClassID, AssignID, Semester, [Start Date], [End Date]) VALUES ('FA21IAO3',
'IAO3', 'FALL 2021', CAST('2021-01-09' AS date), CAST('2021-04-08' AS date));
INSERT Classes(ClassID, AssignID, Semester, [Start Date], [End Date]) VALUES ('FA21CSD3',
'CSD3', 'FALL 2021', CAST('2021-01-09' AS date), CAST('2021-04-08' AS date));

INSERT Classes(ClassID, AssignID, Semester, [Start Date], [End Date]) VALUES ('SU21IAO2',
'IAO2', 'SUMMER 2021', CAST('2021-04-16' AS date), CAST('2021-07-26' AS date));
INSERT Classes(ClassID, AssignID, Semester, [Start Date], [End Date]) VALUES ('SU21JPD3',
'JPD3', 'SUMMER 2021', CAST('2021-04-16' AS date), CAST('2021-07-26' AS date));
INSERT Classes(ClassID, AssignID, Semester, [Start Date], [End Date]) VALUES ('SU21IAO3',
'IAO3', 'SUMMER 2021', CAST('2021-04-16' AS date), CAST('2021-07-26' AS date));
INSERT Classes(ClassID, AssignID, Semester, [Start Date], [End Date]) VALUES ('SU21LAB2',
'LAB2', 'SUMMER 2021', CAST('2021-04-16' AS date), CAST('2021-07-26' AS date));
INSERT Classes(ClassID, AssignID, Semester, [Start Date], [End Date]) VALUES ('SU21LAB1',
'LAB1', 'SUMMER 2021', CAST('2021-04-16' AS date), CAST('2021-07-26' AS date));
INSERT Classes(ClassID, AssignID, Semester, [Start Date], [End Date]) VALUES ('SU21CSD3',
'CSD3', 'SUMMER 2021', CAST('2021-04-16' AS date), CAST('2021-07-26' AS date));
```

```sql
INSERT Classes(ClassID, AssignID, Semester, [Start Date], [End Date]) VALUES ('SU21DBI1',
'DBI1', 'SUMMER 2021', CAST('2021-04-16' AS date), CAST('2021-07-26' AS date));
INSERT Classes(ClassID, AssignID, Semester, [Start Date], [End Date]) VALUES ('SU21CSD2',
'CSD2', 'SUMMER 2021', CAST('2021-04-16' AS date), CAST('2021-07-26' AS date));
INSERT Classes(ClassID, AssignID, Semester, [Start Date], [End Date]) VALUES ('SU21JPD1',
'JPD1', 'SUMMER 2021', CAST('2021-04-16' AS date), CAST('2021-07-26' AS date));
INSERT Classes(ClassID, AssignID, Semester, [Start Date], [End Date]) VALUES ('SU21DBI3',
'DBI3', 'SUMMER 2021', CAST('2021-04-16' AS date), CAST('2021-07-26' AS date));
INSERT Classes(ClassID, AssignID, Semester, [Start Date], [End Date]) VALUES ('SU21CSD1',
'CSD1', 'SUMMER 2021', CAST('2021-04-16' AS date), CAST('2021-07-26' AS date));
```

➔ **Image result**

Results | Messages

	ClassID	AssignID	Semester	Start Date	End Date
1	FA21CSD1	CSD1	FALL 2021	2021-01-09	2021-04-08
2	FA21CSD3	CSD3	FALL 2021	2021-01-09	2021-04-08
3	FA21DBI1	DBI1	FALL 2021	2021-01-09	2021-04-08
4	FA21DBI2	DBI2	FALL 2021	2021-01-09	2021-04-08
5	FA21DBI3	DBI3	FALL 2021	2021-01-09	2021-04-08
6	FA21IAO1	IAO1	FALL 2021	2021-01-09	2021-04-08
7	FA21IAO3	IAO3	FALL 2021	2021-01-09	2021-04-08
8	FA21JPD1	JPD1	FALL 2021	2021-01-09	2021-04-08
9	FA21JPD2	JPD2	FALL 2021	2021-01-09	2021-04-08
10	FA21LAB1	LAB1	FALL 2021	2021-01-09	2021-04-08
11	FA21LAB2	LAB2	FALL 2021	2021-01-09	2021-04-08
12	SP22CSD1	CSD1	SPRING ...	2022-05-09	2022-07-25
13	SP22CSD2	CSD2	SPRING ...	2022-05-09	2022-07-25
14	SP22CSD3	CSD3	SPRING ...	2022-05-09	2022-07-25
15	SP22DBI1	DBI1	SPRING ...	2022-05-09	2022-07-25
16	SP22DBI2	DBI2	SPRING ...	2022-05-09	2022-07-25
17	SP22IAO1	IAO1	SPRING ...	2022-05-09	2022-07-25
18	SP22IAO2	IAO2	SPRING ...	2022-05-09	2022-07-25
19	SP22IAO3	IAO3	SPRING ...	2022-05-09	2022-07-25
20	SP22JPD3	JPD3	SPRING ...	2022-05-09	2022-07-25
21	SP22LAB1	LAB1	SPRING ...	2022-05-09	2022-07-25
22	SP22LAB2	LAB2	SPRING ...	2022-05-09	2022-07-25
23	SU21CSD1	CSD1	SUMME...	2021-04-16	2021-07-26
24	SU21CSD2	CSD2	SUMME...	2021-04-16	2021-07-26
25	SU21CSD3	CSD3	SUMME...	2021-04-16	2021-07-26
26	SU21DBI1	DBI1	SUMME...	2021-04-16	2021-07-26

- **SELECT * FROM Enroll**

```
INSERT Enroll(ClassID, GID) VALUES ('SP22CSD1', 'IA1604');
INSERT Enroll(ClassID, GID) VALUES ('SU21CSD2', 'IA1604');
INSERT Enroll(ClassID, GID) VALUES ('FA21IAO3', 'IA1604');
INSERT Enroll(ClassID, GID) VALUES ('SP22LAB2', 'IA1604');
INSERT Enroll(ClassID, GID) VALUES ('SU21CSD3', 'IA1604');
```

```sql
INSERT Enroll(ClassID, GID) VALUES ('SP22IAO1', 'AI1606');
INSERT Enroll(ClassID, GID) VALUES ('FA21LAB2', 'AI1606');
INSERT Enroll(ClassID, GID) VALUES ('SP22LAB1', 'AI1606');
INSERT Enroll(ClassID, GID) VALUES ('FA21JPD2', 'AI1606');
INSERT Enroll(ClassID, GID) VALUES ('SP22JPD3', 'AI1606');

INSERT Enroll(ClassID, GID) VALUES ('SU21DBI3', 'SE1636');
INSERT Enroll(ClassID, GID) VALUES ('FA21CSD1', 'SE1636');
INSERT Enroll(ClassID, GID) VALUES ('SP22IAO2', 'SE1636');
INSERT Enroll(ClassID, GID) VALUES ('SU21LAB1', 'SE1636');
INSERT Enroll(ClassID, GID) VALUES ('FA21JPD1', 'SE1636');

INSERT Enroll(ClassID, GID) VALUES ('SP22JPD3', 'IOT1602');
INSERT Enroll(ClassID, GID) VALUES ('SU21CSD1', 'IOT1602');
INSERT Enroll(ClassID, GID) VALUES ('SP22LAB1', 'IOT1602');
INSERT Enroll(ClassID, GID) VALUES ('FA21CSD3', 'IOT1602');
INSERT Enroll(ClassID, GID) VALUES ('SU21DBI3', 'IOT1602');

INSERT Enroll(ClassID, GID) VALUES ('FA21LAB1', 'IS1603');
INSERT Enroll(ClassID, GID) VALUES ('SU21IAO2', 'IS1603');
INSERT Enroll(ClassID, GID) VALUES ('FA21LAB2', 'IS1603');
INSERT Enroll(ClassID, GID) VALUES ('SP22CSD2', 'IS1603');
INSERT Enroll(ClassID, GID) VALUES ('SU21DBI1', 'IS1603');
```

➔ **Image result**

Results | Messages

	ClassID	GID
1	FA21CSD1	SE1636
2	FA21CSD3	IOT1602
3	FA21IAO3	IA1604
4	FA21JPD1	SE1636
5	FA21JPD2	AI1606
6	FA21LAB1	IS1603
7	FA21LAB2	AI1606
8	FA21LAB2	IS1603
9	SP22CSD1	IA1604
10	SP22CSD2	IS1603
11	SP22IAO1	AI1606
12	SP22IAO2	SE1636
13	SP22JPD3	AI1606
14	SP22JPD3	IOT1602
15	SP22LAB1	AI1606
16	SP22LAB1	IOT1602
17	SP22LAB2	IA1604
18	SU21CSD1	IOT1602
19	SU21CSD2	IA1604
20	SU21CSD3	IA1604
21	SU21DBI1	IS1603
22	SU21DBI3	IOT1602
23	SU21DBI3	SE1636
24	SU21IAO2	IS1603
25	SU21LAB1	SE1636

- **SELECT * FROM Categories**

```
INSERT Categories(CategoryID, [CategoryName], [Type], [Completion Criteria]) VALUES
('AS', 'Assignment ', 'On-Going', '>0');
INSERT Categories(CategoryID, [CategoryName], [Type], [Completion Criteria]) VALUES
('LAB', 'Lab', 'On-Going', '>0');
INSERT Categories(CategoryID, [CategoryName], [Type], [Completion Criteria]) VALUES
('LOC', 'Line of Code', 'On-Going', '>=750');
INSERT Categories(CategoryID, [CategoryName], [Type], [Completion Criteria]) VALUES
('PT', 'Progress Test', 'On-Going', '>0');
INSERT Categories(CategoryID, [CategoryName], [Type], [Completion Criteria]) VALUES
('PE', 'Practical Exam', 'On-Going', '>0');
INSERT Categories(CategoryID, [CategoryName], [Type], [Completion Criteria]) VALUES
('FE', 'Final Exam', 'Final Exam', '>4');
INSERT Categories(CategoryID, [CategoryName], [Type], [Completion Criteria]) VALUES
('FER', 'Final Exam Retake', 'Final Exam', '>4');
```

➔ **Image result**

Results | Messages

	CategoryID	CategoryName	Type	Completion Criteria
1	AS	Assignment	On-Going	>0
2	FE	Final Exam	Final Exam	>4
3	FER	Final Exam Retake	Final Exam	>4
4	LAB	Lab	On-Going	>0
5	LOC	Line of Code	On-Going	>=750
6	PE	Practical Exam	On-Going	>0
7	PT	Progress Test	On-Going	>0

- **SELECT * FROM Assessment System**

```
INSERT [Assessment System](AssessID, CategoryID, CourseID, [Num of Ques], Duration,
[Weight]) VALUES ('CSDAS1', 'AS', 'CSD201', 20, '30 mins', 0.1);
INSERT [Assessment System](AssessID, CategoryID, CourseID, [Num of Ques], Duration,
[Weight]) VALUES ('CSDAS2', 'AS', 'CSD201', 20, '30 mins', 0.1);
INSERT [Assessment System](AssessID, CategoryID, CourseID, [Num of Ques], Duration,
[Weight]) VALUES ('CSDPT1', 'PT', 'CSD201', 30, '30 mins', 0.1);
INSERT [Assessment System](AssessID, CategoryID, CourseID, [Num of Ques], Duration,
[Weight]) VALUES ('CSDPT2', 'PT', 'CSD201', 30, '30 mins', 0.1);
INSERT [Assessment System](AssessID, CategoryID, CourseID, [Num of Ques], Duration,
[Weight]) VALUES ('CSDPE', 'PE', 'CSD201', 10, '90 mins', 0.3);
INSERT [Assessment System](AssessID, CategoryID, CourseID, [Num of Ques], Duration,
[Weight]) VALUES ('CSDFE', 'FE', 'CSD201', 50, '60 mins', 0.1);
```

```sql
INSERT [Assessment System](AssessID, CategoryID, CourseID, [Num of Ques], Duration,
[Weight]) VALUES ('DBIAS1', 'AS', 'DBI202', 20, '30 mins', 0.1);
INSERT [Assessment System](AssessID, CategoryID, CourseID, [Num of Ques], Duration,
[Weight]) VALUES ('DBIAS2', 'AS', 'DBI202', 20, '30 mins', 0.1);
INSERT [Assessment System](AssessID, CategoryID, CourseID, [Num of Ques], Duration,
[Weight]) VALUES ('DBIPT1', 'PT', 'DBI202', 20, '30 mins', 0.1);
INSERT [Assessment System](AssessID, CategoryID, CourseID, [Num of Ques], Duration,
[Weight]) VALUES ('DBIPT2', 'PT', 'DBI202', 20, '30 mins', 0.1);
INSERT [Assessment System](AssessID, CategoryID, CourseID, [Num of Ques], Duration,
[Weight]) VALUES ('DBIPE', 'PE', 'DBI202', 10, '90 mins', 0.3);
INSERT [Assessment System](AssessID, CategoryID, CourseID, [Num of Ques], Duration,
[Weight]) VALUES ('DBIFE', 'FE', 'DBI202', 50, '60 mins', 0.3);

INSERT [Assessment System](AssessID, CategoryID, CourseID, [Num of Ques], Duration,
[Weight]) VALUES ('LABLOC', 'LOC', 'LAB211', 750, '30 SLOTS', 1);

INSERT [Assessment System](AssessID, CategoryID, CourseID, [Num of Ques], Duration,
[Weight]) VALUES ('IAOLAB1', 'LAB', 'IAO202', 5, '30 mins', 0.05);
INSERT [Assessment System](AssessID, CategoryID, CourseID, [Num of Ques], Duration,
[Weight]) VALUES ('IAOLAB2', 'LAB', 'IAO202', 5, '30 mins', 0.05);
INSERT [Assessment System](AssessID, CategoryID, CourseID, [Num of Ques], Duration,
[Weight]) VALUES ('IAOLAB3', 'LAB', 'IAO202', 5, '30 mins', 0.05);
INSERT [Assessment System](AssessID, CategoryID, CourseID, [Num of Ques], Duration,
[Weight]) VALUES ('IAOLAB4', 'LAB', 'IAO202', 5, '30 mins', 0.05);
INSERT [Assessment System](AssessID, CategoryID, CourseID, [Num of Ques], Duration,
[Weight]) VALUES ('IAOLAB5', 'LAB', 'IAO202', 5, '30 mins', 0.05);
INSERT [Assessment System](AssessID, CategoryID, CourseID, [Num of Ques], Duration,
[Weight]) VALUES ('IAOLAB6', 'LAB', 'IAO202', 5, '30 mins', 0.05);
INSERT [Assessment System](AssessID, CategoryID, CourseID, [Num of Ques], Duration,
[Weight]) VALUES ('IAOLAB7', 'LAB', 'IAO202', 5, '30 mins', 0.05);
INSERT [Assessment System](AssessID, CategoryID, CourseID, [Num of Ques], Duration,
[Weight]) VALUES ('IAOLAB8', 'LAB', 'IAO202', 5, '30 mins', 0.05);
INSERT [Assessment System](AssessID, CategoryID, CourseID, [Num of Ques], Duration,
[Weight]) VALUES ('IAOLAB9', 'LAB', 'IAO202', 5, '30 mins', 0.05);
INSERT [Assessment System](AssessID, CategoryID, CourseID, [Num of Ques], Duration,
[Weight]) VALUES ('IAOLAB10', 'LAB', 'IAO202', 5, '30 mins', 0.05);
INSERT [Assessment System](AssessID, CategoryID, CourseID, [Num of Ques], Duration,
[Weight]) VALUES ('IAOPT1', 'PT', 'IAO202', 30, '60 mins', 0.1);
INSERT [Assessment System](AssessID, CategoryID, CourseID, [Num of Ques], Duration,
[Weight]) VALUES ('IAOPT2', 'PT', 'IAO202', 30, '60 mins', 0.1);
INSERT [Assessment System](AssessID, CategoryID, CourseID, [Num of Ques], Duration,
[Weight]) VALUES ('IAOFE', 'FE', 'IAO202', 60, '90 mins', 0.3);

INSERT [Assessment System](AssessID, CategoryID, CourseID, [Num of Ques], Duration,
[Weight]) VALUES ('JPDAS1', 'AS', 'JPD113', 40, '30 mins', 0.1);
INSERT [Assessment System](AssessID, CategoryID, CourseID, [Num of Ques], Duration,
[Weight]) VALUES ('JPDAS2', 'AS', 'JPD113', 40, '30 mins', 0.1);
INSERT [Assessment System](AssessID, CategoryID, CourseID, [Num of Ques], Duration,
[Weight]) VALUES ('JPDPT1', 'PT', 'JPD113', 40, '30 mins', 0.2);
INSERT [Assessment System](AssessID, CategoryID, CourseID, [Num of Ques], Duration,
[Weight]) VALUES ('JPDPT2', 'PT', 'JPD113', 40, '30 mins', 0.2);
INSERT [Assessment System](AssessID, CategoryID, CourseID, [Num of Ques], Duration,
[Weight]) VALUES ('JPDFE', 'FE', 'JPD113', 50, '60 mins', 0.4);
```

➔ **Image result**

Results | Messages

	AssessID	CategoryID	CourseID	Num of Ques	Duration	Weight
1	CSDAS1	AS	CSD201	20	30 mins	0.1
2	CSDAS2	AS	CSD201	20	30 mins	0.1
3	CSDFE	FE	CSD201	50	60 mins	0.1
4	CSDPE	PE	CSD201	10	90 mins	0.3
5	CSDPT1	PT	CSD201	30	30 mins	0.1
6	CSDPT2	PT	CSD201	30	30 mins	0.1
7	DBIAS1	AS	DBI202	20	30 mins	0.1
8	DBIAS2	AS	DBI202	20	30 mins	0.1
9	DBIFE	FE	DBI202	50	60 mins	0.3
10	DBIPE	PE	DBI202	10	90 mins	0.3
11	DBIPT1	PT	DBI202	20	30 mins	0.1
12	DBIPT2	PT	DBI202	20	30 mins	0.1
13	IAOFE	FE	IAO202	60	90 mins	0.3
14	IAOLAB1	LAB	IAO202	5	30 mins	0.05
15	IAOLAB...	LAB	IAO202	5	30 mins	0.05
16	IAOLAB2	LAB	IAO202	5	30 mins	0.05
17	IAOLAB3	LAB	IAO202	5	30 mins	0.05
18	IAOLAB4	LAB	IAO202	5	30 mins	0.05
19	IAOLAB5	LAB	IAO202	5	30 mins	0.05
20	IAOLAB6	LAB	IAO202	5	30 mins	0.05
21	IAOLAB7	LAB	IAO202	5	30 mins	0.05
22	IAOLAB8	LAB	IAO202	5	30 mins	0.05
23	IAOLAB9	LAB	IAO202	5	30 mins	0.05
24	IAOPT1	PT	IAO202	30	60 mins	0.1
25	IAOPT2	PT	IAO202	30	60 mins	0.1
26	JPDAS1	AS	JPD113	40	30 mins	0.1

- **SELECT * FROM Assess**

```
INSERT Assess(AssessID, ClassID) VALUES ('DBIAS1', 'FA21DBI1');
INSERT Assess(AssessID, ClassID) VALUES ('DBIAS2', 'FA21DBI1');
INSERT Assess(AssessID, ClassID) VALUES ('DBIPT1', 'FA21DBI1');
INSERT Assess(AssessID, ClassID) VALUES ('DBIPT2', 'FA21DBI1');
INSERT Assess(AssessID, ClassID) VALUES ('DBIPE', 'FA21DBI1');
INSERT Assess(AssessID, ClassID) VALUES ('DBIFE', 'FA21DBI1');
```

```sql
INSERT Assess(AssessID, ClassID) VALUES ('CSDAS1', 'FA21CSD1');
INSERT Assess(AssessID, ClassID) VALUES ('CSDAS2', 'FA21CSD1');
INSERT Assess(AssessID, ClassID) VALUES ('CSDPT1', 'FA21CSD1');
INSERT Assess(AssessID, ClassID) VALUES ('CSDPT2', 'FA21CSD1');
INSERT Assess(AssessID, ClassID) VALUES ('CSDPE', 'FA21CSD1');
INSERT Assess(AssessID, ClassID) VALUES ('CSDFE', 'FA21CSD1');

INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB1', 'FA21IAO1');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB2', 'FA21IAO1');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB3', 'FA21IAO1');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB4', 'FA21IAO1');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB5', 'FA21IAO1');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB6', 'FA21IAO1');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB7', 'FA21IAO1');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB8', 'FA21IAO1');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB9', 'FA21IAO1');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB10', 'FA21IAO1');
INSERT Assess(AssessID, ClassID) VALUES ('IAOPT1', 'FA21IAO1');
INSERT Assess(AssessID, ClassID) VALUES ('IAOPT2', 'FA21IAO1');
INSERT Assess(AssessID, ClassID) VALUES ('IAOFE', 'FA21IAO1');

INSERT Assess(AssessID, ClassID) VALUES ('JPDAS1', 'FA21JPD1');
INSERT Assess(AssessID, ClassID) VALUES ('JPDAS2', 'FA21JPD1');
INSERT Assess(AssessID, ClassID) VALUES ('JPDPT1', 'FA21JPD1');
INSERT Assess(AssessID, ClassID) VALUES ('JPDPT2', 'FA21JPD1');
INSERT Assess(AssessID, ClassID) VALUES ('JPDFE', 'FA21JPD1');

INSERT Assess(AssessID, ClassID) VALUES ('LABLOC', 'FA21LAB1');

INSERT Assess(AssessID, ClassID) VALUES ('DBIAS1', 'FA21DBI2');
INSERT Assess(AssessID, ClassID) VALUES ('DBIAS2', 'FA21DBI2');
INSERT Assess(AssessID, ClassID) VALUES ('DBIPT1', 'FA21DBI2');
INSERT Assess(AssessID, ClassID) VALUES ('DBIPT2', 'FA21DBI2');
INSERT Assess(AssessID, ClassID) VALUES ('DBIPE', 'FA21DBI2');
INSERT Assess(AssessID, ClassID) VALUES ('DBIFE', 'FA21DBI2');

INSERT Assess(AssessID, ClassID) VALUES ('JPDAS1', 'FA21JPD2');
INSERT Assess(AssessID, ClassID) VALUES ('JPDAS2', 'FA21JPD2');
INSERT Assess(AssessID, ClassID) VALUES ('JPDPT1', 'FA21JPD2');
INSERT Assess(AssessID, ClassID) VALUES ('JPDPT2', 'FA21JPD2');
INSERT Assess(AssessID, ClassID) VALUES ('JPDFE', 'FA21JPD2');

INSERT Assess(AssessID, ClassID) VALUES ('LABLOC', 'FA21LAB2');

INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB1', 'FA21IAO3');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB2', 'FA21IAO3');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB3', 'FA21IAO3');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB4', 'FA21IAO3');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB5', 'FA21IAO3');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB6', 'FA21IAO3');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB7', 'FA21IAO3');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB8', 'FA21IAO3');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB9', 'FA21IAO3');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB10', 'FA21IAO3');
INSERT Assess(AssessID, ClassID) VALUES ('IAOPT1', 'FA21IAO3');
INSERT Assess(AssessID, ClassID) VALUES ('IAOPT2', 'FA21IAO3');
INSERT Assess(AssessID, ClassID) VALUES ('IAOFE', 'FA21IAO3');
```

```sql
INSERT Assess(AssessID, ClassID) VALUES ('CSDAS1', 'FA21CSD3');
INSERT Assess(AssessID, ClassID) VALUES ('CSDAS2', 'FA21CSD3');
INSERT Assess(AssessID, ClassID) VALUES ('CSDPT1', 'FA21CSD3');
INSERT Assess(AssessID, ClassID) VALUES ('CSDPT2', 'FA21CSD3');
INSERT Assess(AssessID, ClassID) VALUES ('CSDPE', 'FA21CSD3');
INSERT Assess(AssessID, ClassID) VALUES ('CSDFE', 'FA21CSD3');

INSERT Assess(AssessID, ClassID) VALUES ('DBIAS1', 'FA21DBI3');
INSERT Assess(AssessID, ClassID) VALUES ('DBIAS2', 'FA21DBI3');
INSERT Assess(AssessID, ClassID) VALUES ('DBIPT1', 'FA21DBI3');
INSERT Assess(AssessID, ClassID) VALUES ('DBIPT2', 'FA21DBI3');
INSERT Assess(AssessID, ClassID) VALUES ('DBIPE', 'FA21DBI3');
INSERT Assess(AssessID, ClassID) VALUES ('DBIFE', 'FA21DBI3');

INSERT Assess(AssessID, ClassID) VALUES ('DBIAS1', 'SU21DBI1');
INSERT Assess(AssessID, ClassID) VALUES ('DBIAS2', 'SU21DBI1');
INSERT Assess(AssessID, ClassID) VALUES ('DBIPT1', 'SU21DBI1');
INSERT Assess(AssessID, ClassID) VALUES ('DBIPT2', 'SU21DBI1');
INSERT Assess(AssessID, ClassID) VALUES ('DBIPE', 'SU21DBI1');
INSERT Assess(AssessID, ClassID) VALUES ('DBIFE', 'SU21DBI1');

INSERT Assess(AssessID, ClassID) VALUES ('CSDAS1', 'SU21CSD1');
INSERT Assess(AssessID, ClassID) VALUES ('CSDAS2', 'SU21CSD1');
INSERT Assess(AssessID, ClassID) VALUES ('CSDPT1', 'SU21CSD1');
INSERT Assess(AssessID, ClassID) VALUES ('CSDPT2', 'SU21CSD1');
INSERT Assess(AssessID, ClassID) VALUES ('CSDPE', 'SU21CSD1');
INSERT Assess(AssessID, ClassID) VALUES ('CSDFE', 'SU21CSD1');

INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB1', 'SU21IAO1');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB2', 'SU21IAO1');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB3', 'SU21IAO1');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB4', 'SU21IAO1');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB5', 'SU21IAO1');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB6', 'SU21IAO1');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB7', 'SU21IAO1');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB8', 'SU21IAO1');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB9', 'SU21IAO1');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB10', 'SU21IAO1');
INSERT Assess(AssessID, ClassID) VALUES ('IAOPT1', 'SU21IAO1');
INSERT Assess(AssessID, ClassID) VALUES ('IAOPT2', 'SU21IAO1');
INSERT Assess(AssessID, ClassID) VALUES ('IAOFE', 'SU21IAO1');

INSERT Assess(AssessID, ClassID) VALUES ('JPDAS1', 'SU21JPD1');
INSERT Assess(AssessID, ClassID) VALUES ('JPDAS2', 'SU21JPD1');
INSERT Assess(AssessID, ClassID) VALUES ('JPDPT1', 'SU21JPD1');
INSERT Assess(AssessID, ClassID) VALUES ('JPDPT2', 'SU21JPD1');
INSERT Assess(AssessID, ClassID) VALUES ('JPDFE', 'SU21JPD1');

INSERT Assess(AssessID, ClassID) VALUES ('LABLOC', 'SU21LAB1');

INSERT Assess(AssessID, ClassID) VALUES ('CSDAS1', 'SU21CSD2');
INSERT Assess(AssessID, ClassID) VALUES ('CSDAS2', 'SU21CSD2');
INSERT Assess(AssessID, ClassID) VALUES ('CSDPT1', 'SU21CSD2');
INSERT Assess(AssessID, ClassID) VALUES ('CSDPT2', 'SU21CSD2');
INSERT Assess(AssessID, ClassID) VALUES ('CSDPE', 'SU21CSD2');
INSERT Assess(AssessID, ClassID) VALUES ('CSDFE', 'SU21CSD2');

INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB1', 'SU21IAO2');
```

```sql
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB2', 'SU21IAO2');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB3', 'SU21IAO2');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB4', 'SU21IAO2');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB5', 'SU21IAO2');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB6', 'SU21IAO2');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB7', 'SU21IAO2');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB8', 'SU21IAO2');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB9', 'SU21IAO2');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB10', 'SU21IAO2');
INSERT Assess(AssessID, ClassID) VALUES ('IAOPT1', 'SU21IAO2');
INSERT Assess(AssessID, ClassID) VALUES ('IAOPT2', 'SU21IAO2');
INSERT Assess(AssessID, ClassID) VALUES ('IAOFE', 'SU21IAO2');

INSERT Assess(AssessID, ClassID) VALUES ('LABLOC', 'SU21LAB2');

INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB1', 'SU21IAO3');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB2', 'SU21IAO3');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB3', 'SU21IAO3');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB4', 'SU21IAO3');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB5', 'SU21IAO3');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB6', 'SU21IAO3');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB7', 'SU21IAO3');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB8', 'SU21IAO3');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB9', 'SU21IAO3');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB10', 'SU21IAO3');
INSERT Assess(AssessID, ClassID) VALUES ('IAOPT1', 'SU21IAO3');
INSERT Assess(AssessID, ClassID) VALUES ('IAOPT2', 'SU21IAO3');
INSERT Assess(AssessID, ClassID) VALUES ('IAOFE', 'SU21IAO3');

INSERT Assess(AssessID, ClassID) VALUES ('DBIAS1', 'SU21DBI3');
INSERT Assess(AssessID, ClassID) VALUES ('DBIAS2', 'SU21DBI3');
INSERT Assess(AssessID, ClassID) VALUES ('DBIPT1', 'SU21DBI3');
INSERT Assess(AssessID, ClassID) VALUES ('DBIPT2', 'SU21DBI3');
INSERT Assess(AssessID, ClassID) VALUES ('DBIPE', 'SU21DBI3');
INSERT Assess(AssessID, ClassID) VALUES ('DBIFE', 'SU21DBI3');

INSERT Assess(AssessID, ClassID) VALUES ('CSDAS1', 'SU21CSD3');
INSERT Assess(AssessID, ClassID) VALUES ('CSDAS2', 'SU21CSD3');
INSERT Assess(AssessID, ClassID) VALUES ('CSDPT1', 'SU21CSD3');
INSERT Assess(AssessID, ClassID) VALUES ('CSDPT2', 'SU21CSD3');
INSERT Assess(AssessID, ClassID) VALUES ('CSDPE', 'SU21CSD3');
INSERT Assess(AssessID, ClassID) VALUES ('CSDFE', 'SU21CSD3');

INSERT Assess(AssessID, ClassID) VALUES ('JPDAS1', 'SU21JPD3');
INSERT Assess(AssessID, ClassID) VALUES ('JPDAS2', 'SU21JPD3');
INSERT Assess(AssessID, ClassID) VALUES ('JPDPT1', 'SU21JPD3');
INSERT Assess(AssessID, ClassID) VALUES ('JPDPT2', 'SU21JPD3');
INSERT Assess(AssessID, ClassID) VALUES ('JPDFE', 'SU21JPD3');

INSERT Assess(AssessID, ClassID) VALUES ('DBIAS1', 'SP22DBI1');
INSERT Assess(AssessID, ClassID) VALUES ('DBIAS2', 'SP22DBI1');
INSERT Assess(AssessID, ClassID) VALUES ('DBIPT1', 'SP22DBI1');
INSERT Assess(AssessID, ClassID) VALUES ('DBIPT2', 'SP22DBI1');
INSERT Assess(AssessID, ClassID) VALUES ('DBIPE', 'SP22DBI1');
INSERT Assess(AssessID, ClassID) VALUES ('DBIFE', 'SP22DBI1');

INSERT Assess(AssessID, ClassID) VALUES ('CSDAS1', 'SP22CSD1');
INSERT Assess(AssessID, ClassID) VALUES ('CSDAS2', 'SP22CSD1');
```

```sql
INSERT Assess(AssessID, ClassID) VALUES ('CSDPT1', 'SP22CSD1');
INSERT Assess(AssessID, ClassID) VALUES ('CSDPT2', 'SP22CSD1');
INSERT Assess(AssessID, ClassID) VALUES ('CSDPE', 'SP22CSD1');
INSERT Assess(AssessID, ClassID) VALUES ('CSDFE', 'SP22CSD1');

INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB1', 'SP22IAO1');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB2', 'SP22IAO1');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB3', 'SP22IAO1');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB4', 'SP22IAO1');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB5', 'SP22IAO1');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB6', 'SP22IAO1');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB7', 'SP22IAO1');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB8', 'SP22IAO1');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB9', 'SP22IAO1');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB10', 'SP22IAO1');
INSERT Assess(AssessID, ClassID) VALUES ('IAOPT1', 'SP22IAO1');
INSERT Assess(AssessID, ClassID) VALUES ('IAOPT2', 'SP22IAO1');
INSERT Assess(AssessID, ClassID) VALUES ('IAOFE', 'SP22IAO1');

INSERT Assess(AssessID, ClassID) VALUES ('LABLOC', 'SP22LAB1');

INSERT Assess(AssessID, ClassID) VALUES ('CSDAS1', 'SP22CSD2');
INSERT Assess(AssessID, ClassID) VALUES ('CSDAS2', 'SP22CSD2');
INSERT Assess(AssessID, ClassID) VALUES ('CSDPT1', 'SP22CSD2');
INSERT Assess(AssessID, ClassID) VALUES ('CSDPT2', 'SP22CSD2');
INSERT Assess(AssessID, ClassID) VALUES ('CSDPE', 'SP22CSD2');
INSERT Assess(AssessID, ClassID) VALUES ('CSDFE', 'SP22CSD2');

INSERT Assess(AssessID, ClassID) VALUES ('DBIAS1', 'SP22DBI2');
INSERT Assess(AssessID, ClassID) VALUES ('DBIAS2', 'SP22DBI2');
INSERT Assess(AssessID, ClassID) VALUES ('DBIPT1', 'SP22DBI2');
INSERT Assess(AssessID, ClassID) VALUES ('DBIPT2', 'SP22DBI2');
INSERT Assess(AssessID, ClassID) VALUES ('DBIPE', 'SP22DBI2');
INSERT Assess(AssessID, ClassID) VALUES ('DBIFE', 'SP22DBI2');

INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB1', 'SP22IAO2');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB2', 'SP22IAO2');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB3', 'SP22IAO2');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB4', 'SP22IAO2');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB5', 'SP22IAO2');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB6', 'SP22IAO2');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB7', 'SP22IAO2');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB8', 'SP22IAO2');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB9', 'SP22IAO2');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB10', 'SP22IAO2');
INSERT Assess(AssessID, ClassID) VALUES ('IAOPT1', 'SP22IAO2');
INSERT Assess(AssessID, ClassID) VALUES ('IAOPT2', 'SP22IAO2');
INSERT Assess(AssessID, ClassID) VALUES ('IAOFE', 'SP22IAO2');

INSERT Assess(AssessID, ClassID) VALUES ('LABLOC', 'SP22LAB2');

INSERT Assess(AssessID, ClassID) VALUES ('JPDAS1', 'SP22JPD3');
INSERT Assess(AssessID, ClassID) VALUES ('JPDAS2', 'SP22JPD3');
INSERT Assess(AssessID, ClassID) VALUES ('JPDPT1', 'SP22JPD3');
INSERT Assess(AssessID, ClassID) VALUES ('JPDPT2', 'SP22JPD3');
INSERT Assess(AssessID, ClassID) VALUES ('JPDFE', 'SP22JPD3');

INSERT Assess(AssessID, ClassID) VALUES ('CSDAS1', 'SP22CSD3');
```

```sql
INSERT Assess(AssessID, ClassID) VALUES ('CSDAS2', 'SP22CSD3');
INSERT Assess(AssessID, ClassID) VALUES ('CSDPT1', 'SP22CSD3');
INSERT Assess(AssessID, ClassID) VALUES ('CSDPT2', 'SP22CSD3');
INSERT Assess(AssessID, ClassID) VALUES ('CSDPE', 'SP22CSD3');
INSERT Assess(AssessID, ClassID) VALUES ('CSDFE', 'SP22CSD3');

INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB1', 'SP22IAO3');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB2', 'SP22IAO3');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB3', 'SP22IAO3');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB4', 'SP22IAO3');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB5', 'SP22IAO3');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB6', 'SP22IAO3');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB7', 'SP22IAO3');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB8', 'SP22IAO3');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB9', 'SP22IAO3');
INSERT Assess(AssessID, ClassID) VALUES ('IAOLAB10', 'SP22IAO3');
INSERT Assess(AssessID, ClassID) VALUES ('IAOPT1', 'SP22IAO3');
INSERT Assess(AssessID, ClassID) VALUES ('IAOPT2', 'SP22IAO3');
INSERT Assess(AssessID, ClassID) VALUES ('IAOFE', 'SP22IAO3');
```

➔ **Image result**

Results | Messages

	AssessID	ClassID
1	CSDAS1	FA21CSD1
2	CSDAS1	FA21CSD3
3	CSDAS1	SP22CSD1
4	CSDAS1	SP22CSD2
5	CSDAS1	SP22CSD3
6	CSDAS1	SU21CSD1
7	CSDAS1	SU21CSD2
8	CSDAS1	SU21CSD3
9	CSDAS2	FA21CSD1
10	CSDAS2	FA21CSD3
11	CSDAS2	SP22CSD1
12	CSDAS2	SU21CSD1
13	CSDFE	FA21CSD1
14	CSDFE	FA21CSD3
15	CSDFE	SP22CSD1
16	CSDFE	SU21CSD1
17	CSDPE	FA21CSD1
18	CSDPE	FA21CSD3
19	CSDPE	SP22CSD1
20	CSDPE	SU21CSD1
21	CSDPT1	FA21CSD1
22	CSDPT1	FA21CSD3
23	CSDPT1	SP22CSD1
24	CSDPT1	SU21CSD1
25	CSDPT2	FA21CSD1
26	CSDPT2	FA21CSD3

- **SELECT * FROM Grade**

```
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160001', 'CSDAS1', 7, CAST('2022-
07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160001', 'CSDAS2', 6.5, CAST('2022-
07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160001', 'CSDPT1', 8, CAST('2022-
07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160001', 'CSDPT2', 6, CAST('2022-
07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160001', 'CSDPE', 9, CAST('2022-07-
26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160001', 'CSDFE', 7.6, CAST('2022-
07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160001', 'DBIAS1', 5.6, CAST('2022-
07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160001', 'DBIAS2', 8.6, CAST('2022-
07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160001', 'DBIPT1', 7.6, CAST('2022-
07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160001', 'DBIPT2', 7.5, CAST('2022-
07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160001', 'DBIPE', 8.2, CAST('2022-
07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160001', 'DBIFE', 3.5, CAST('2022-
07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160001', 'JPDAS1', 6.5, CAST('2022-
07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160001', 'JPDAS2', 8, CAST('2022-
07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160001', 'JPDPT1', 8.7, CAST('2022-
07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160001', 'JPDPT2', 7.2, CAST('2022-
07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160001', 'JPDFE', 7.3, CAST('2022-
07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160001', 'LABLOC', 753, CAST('2022-
07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160001', 'IAOLAB1', 10, CAST('2022-
07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160001', 'IAOLAB2', 9.5,
CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160001', 'IAOLAB3', 8, CAST('2022-
07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160001', 'IAOLAB4', 10, CAST('2022-
07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160001', 'IAOLAB5', 10, CAST('2022-
07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160001', 'IAOLAB6', 10, CAST('2022-
07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160001', 'IAOLAB7', 10, CAST('2022-
07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160001', 'IAOLAB8', 9.5,
CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160001', 'IAOLAB9', 8, CAST('2022-
07-26' AS date));
```

```sql
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160001', 'IAOLAB10', 9, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160001', 'IAOPT1', 8.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160001', 'IAOPT2', 9.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160001', 'IAOFE', 7, CAST('2022-07-26' AS date));

INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160002', 'CSDAS1', 8, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160002', 'CSDAS2', 6.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160002', 'CSDPT1', 9, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160002', 'CSDPT2', 7, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160002', 'CSDPE', 9.2, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160002', 'CSDFE', 7.3, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160002', 'DBIAS1', 4.6, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160002', 'DBIAS2', 5.6, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160002', 'DBIPT1', 7.9, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160002', 'DBIPT2', 7.8, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160002', 'DBIPE', 7.2, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160002', 'DBIFE', 7.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160002', 'JPDAS1', 6.8, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160002', 'JPDAS2', 6, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160002', 'JPDPT1', 9, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160002', 'JPDPT2', 8, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160002', 'JPDFE', 7.3, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160002', 'LABLOC', 751, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160002', 'IAOLAB1', 10, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160002', 'IAOLAB2', 10, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160002', 'IAOLAB3', 9, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160002', 'IAOLAB4', 9, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160002', 'IAOLAB5', 10, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160002', 'IAOLAB6', 10, CAST('2022-07-26' AS date));
```

```sql
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160002', 'IAOLAB7', 10, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160002', 'IAOLAB8', 9.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160002', 'IAOLAB9', 9, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160002', 'IAOLAB10', 8, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160002', 'IAOPT1', 8.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160002', 'IAOPT2', 8, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160002', 'IAOFE', 8, CAST('2022-07-26' AS date));

INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160003', 'CSDAS1', 9, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160003', 'CSDAS2', 8.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160003', 'CSDPT1', 9, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160003', 'CSDPT2', 6, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160003', 'CSDPE', 5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160003', 'CSDFE', 7.8, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160003', 'DBIAS1', 6, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160003', 'DBIAS2', 8.2, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160003', 'DBIPT1', 7.4, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160003', 'DBIPT2', 6.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160003', 'DBIPE', 8.7, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160003', 'DBIFE', 6.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160003', 'JPDAS1', 7.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160003', 'JPDAS2', 8, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160003', 'JPDPT1', 8.7, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160003', 'JPDPT2', 7.6, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160003', 'JPDFE', 6, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160003', 'LABLOC', 750, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160003', 'IAOLAB1', 10, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160003', 'IAOLAB2', 9.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160003', 'IAOLAB3', 8, CAST('2022-07-26' AS date));
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INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160003', 'IAOLAB4', 9, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160003', 'IAOLAB5', 10, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160003', 'IAOLAB6', 10, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160003', 'IAOLAB7', 7, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160003', 'IAOLAB8', 9.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160003', 'IAOLAB9', 3, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160003', 'IAOLAB10', 9, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160003', 'IAOPT1', 8.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160003', 'IAOPT2', 9.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160003', 'IAOFE', 4, CAST('2022-07-26' AS date));


INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160004', 'CSDAS1', 9, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160004', 'CSDAS2', 7.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160004', 'CSDPT1', 8, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160004', 'CSDPT2', 6, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160004', 'CSDPE', 9, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160004', 'CSDFE', 7.7, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160004', 'DBIAS1', 5.6, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160004', 'DBIAS2', 8.6, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160004', 'DBIPT1', 6.6, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160004', 'DBIPT2', 7.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160004', 'DBIPE', 8.6, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160004', 'DBIFE', 6.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160004', 'JPDAS1', 6.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160004', 'JPDAS2', 8, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160004', 'JPDPT1', 7.7, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160004', 'JPDPT2', 8.2, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160004', 'JPDFE', 9.3, CAST('2022-07-26' AS date));
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INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160004', 'LABLOC', 780, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160004', 'IAOLAB1', 9, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160004', 'IAOLAB2', 9.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160004', 'IAOLAB3', 8, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160004', 'IAOLAB4', 7, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160004', 'IAOLAB5', 10, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160004', 'IAOLAB6', 7, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160004', 'IAOLAB7', 10, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160004', 'IAOLAB8', 9.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160004', 'IAOLAB9', 8, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160004', 'IAOLAB10', 9, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160004', 'IAOPT1', 7, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160004', 'IAOPT2', 8, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160004', 'IAOFE', 8, CAST('2022-07-26' AS date));

INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160005', 'CSDAS1', 3, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160005', 'CSDAS2', 6.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160005', 'CSDPT1', 4, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160005', 'CSDPT2', 6, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160005', 'CSDPE', 7, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160005', 'CSDFE', 7.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160005', 'DBIAS1', 5.4, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160005', 'DBIAS2', 8.6, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160005', 'DBIPT1', 7.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160005', 'DBIPT2', 7.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160005', 'DBIPE', 4.2, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160005', 'DBIFE', 3.8, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160005', 'JPDAS1', 6.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160005', 'JPDAS2', 6, CAST('2022-07-26' AS date));
```

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INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160005', 'JPDPT1', 8.7, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160005', 'JPDPT2', 7.2, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160005', 'JPDFE', 7.3, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160005', 'LABLOC', 733, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160005', 'IAOLAB1', 10, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160005', 'IAOLAB2', 9.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160005', 'IAOLAB3', 8, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160005', 'IAOLAB4', 10, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160005', 'IAOLAB5', 8.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160005', 'IAOLAB6', 10, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160005', 'IAOLAB7', 10, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160005', 'IAOLAB8', 9.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160005', 'IAOLAB9', 8, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160005', 'IAOLAB10', 10, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160005', 'IAOPT1', 9, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160005', 'IAOPT2', 8, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160005', 'IAOFE', 7, CAST('2022-07-26' AS date));

INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160006', 'CSDAS1', 6, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160006', 'CSDAS2', 8, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160006', 'CSDPT1', 9, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160006', 'CSDPT2', 6.6, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160006', 'CSDPE', 9.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160006', 'CSDFE', 7.6, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160006', 'DBIAS1', 5.4, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160006', 'DBIAS2', 6.6, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160006', 'DBIPT1', 7.3, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160006', 'DBIPT2', 7.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160006', 'DBIPE', 4.2, CAST('2022-07-26' AS date));
```

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INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160006', 'DBIFE', 7.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160006', 'JPDAS1', 6.8, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160006', 'JPDAS2', 5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160006', 'JPDPT1', 8.7, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160006', 'JPDPT2', 7.2, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160006', 'JPDFE', 7.6, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160006', 'LABLOC', 749, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160006', 'IAOLAB1', 10, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160006', 'IAOLAB2', 9.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160006', 'IAOLAB3', 8.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160006', 'IAOLAB4', 9, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160006', 'IAOLAB5', 10, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160006', 'IAOLAB6', 8, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160006', 'IAOLAB7', 4, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160006', 'IAOLAB8', 9.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160006', 'IAOLAB9', 8, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160006', 'IAOLAB10', 4, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160006', 'IAOPT1', 8.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160006', 'IAOPT2', 9.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160006', 'IAOFE', 3, CAST('2022-07-26' AS date));


INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160007', 'CSDAS1', 9, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160007', 'CSDAS2', 8.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160007', 'CSDPT1', 7, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160007', 'CSDPT2', 9, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160007', 'CSDPE', 9.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160007', 'CSDFE', 8.6, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160007', 'DBIAS1', 8.6, CAST('2022-07-26' AS date));
```

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INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160007', 'DBIAS2', 6.6, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160007', 'DBIPT1', 8.6, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160007', 'DBIPT2', 7.7, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160007', 'DBIPE', 8.8, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160007', 'DBIFE', 8.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160007', 'JPDAS1', 9.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160007', 'JPDAS2', 8, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160007', 'JPDPT1', 8.7, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160007', 'JPDPT2', 7.2, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160007', 'JPDFE', 7.3, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160007', 'LABLOC', 786, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160007', 'IAOLAB1', 9, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160007', 'IAOLAB2', 9.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160007', 'IAOLAB3', 8, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160007', 'IAOLAB4', 9, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160007', 'IAOLAB5', 10, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160007', 'IAOLAB6', 10, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160007', 'IAOLAB7', 10, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160007', 'IAOLAB8', 9.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160007', 'IAOLAB9', 8, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160007', 'IAOLAB10', 10, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160007', 'IAOPT1', 8.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160007', 'IAOPT2', 9.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160007', 'IAOFE', 8, CAST('2022-07-26' AS date));

INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160008', 'CSDAS1', 4, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160008', 'CSDAS2', 4.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160008', 'CSDPT1', 5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160008', 'CSDPT2', 7, CAST('2022-07-26' AS date));
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INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160008', 'CSDPE', 5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160008', 'CSDFE', 7.8, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160008', 'DBIAS1', 8.6, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160008', 'DBIAS2', 8.6, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160008', 'DBIPT1', 7.6, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160008', 'DBIPT2', 7.9, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160008', 'DBIPE', 8.2, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160008', 'DBIFE', 4.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160008', 'JPDAS1', 6.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160008', 'JPDAS2', 8, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160008', 'JPDPT1', 8.7, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160008', 'JPDPT2', 7.4, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160008', 'JPDFE', 7.3, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160008', 'LABLOC', 540, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160008', 'IAOLAB1', 10, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160008', 'IAOLAB2', 9.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160008', 'IAOLAB3', 8, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160008', 'IAOLAB4', 10, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160008', 'IAOLAB5', 0, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160008', 'IAOLAB6', 10, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160008', 'IAOLAB7', 0, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160008', 'IAOLAB8', 9.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160008', 'IAOLAB9', 8, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160008', 'IAOLAB10', 8, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160008', 'IAOPT1', 8.7, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160008', 'IAOPT2', 9.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160008', 'IAOFE', 3, CAST('2022-07-26' AS date));

INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160009', 'CSDAS1', 8, CAST('2022-07-26' AS date));
```

```sql
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160009', 'CSDAS2', 8.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160009', 'CSDPT1', 8, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160009', 'CSDPT2', 7, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160009', 'CSDPE', 8, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160009', 'CSDFE', 7.6, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160009', 'DBIAS1', 7.6, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160009', 'DBIAS2', 8.6, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160009', 'DBIPT1', 7.6, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160009', 'DBIPT2', 7.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160009', 'DBIPE', 8.2, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160009', 'DBIFE', 7.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160009', 'JPDAS1', 9.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160009', 'JPDAS2', 8, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160009', 'JPDPT1', 9.7, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160009', 'JPDPT2', 7.2, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160009', 'JPDFE', 9.3, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160009', 'LABLOC', 793, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160009', 'IAOLAB1', 10, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160009', 'IAOLAB2', 9.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160009', 'IAOLAB3', 9, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160009', 'IAOLAB4', 9, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160009', 'IAOLAB5', 10, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160009', 'IAOLAB6', 8, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160009', 'IAOLAB7', 10, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160009', 'IAOLAB8', 9.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160009', 'IAOLAB9', 8, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160009', 'IAOLAB10', 9, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160009', 'IAOPT1', 8.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160009', 'IAOPT2', 9.5, CAST('2022-07-26' AS date));
```

```sql
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160009', 'IAOFE', 9, CAST('2022-07-26' AS date));


INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160010', 'CSDAS1', 7, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160010', 'CSDAS2', 6.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160010', 'CSDPT1', 8, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160010', 'CSDPT2', 6, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160010', 'CSDPE', 9, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160010', 'CSDFE', 7.4, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160010', 'DBIAS1', 5.6, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160010', 'DBIAS2', 8.6, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160010', 'DBIPT1', 7.3, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160010', 'DBIPT2', 7.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160010', 'DBIPE', 8.3, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160010', 'DBIFE', 8.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160010', 'JPDAS1', 6.3, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160010', 'JPDAS2', 8, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160010', 'JPDPT1', 8.7, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160010', 'JPDPT2', 7.2, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160010', 'JPDFE', 7.3, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160010', 'LABLOC', 777, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160010', 'IAOLAB1', 10, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160010', 'IAOLAB2', 9.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160010', 'IAOLAB3', 8, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160010', 'IAOLAB4', 18, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160010', 'IAOLAB5', 10, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160010', 'IAOLAB6', 8, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160010', 'IAOLAB7', 10, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160010', 'IAOLAB8', 9.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160010', 'IAOLAB9', 8, CAST('2022-07-26' AS date));
```

```sql
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160010', 'IAOLAB10', 9, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160010', 'IAOPT1', 8, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160010', 'IAOPT2', 9.5, CAST('2022-07-26' AS date));
INSERT Grade(SID, AssessID, Score, [Date]) VALUES ('HE160010', 'IAOFE', 8, CAST('2022-07-26' AS date));
```

➔ **Image result**

Results | Messages

	SID	AssessID	Score	Date
1	HE160001	CSDAS1	6	2022-07-26
2	HE160001	CSDAS2	6.5	2022-07-26
3	HE160001	CSDFE	7.6	2022-07-26
4	HE160001	CSDPE	9	2022-07-26
5	HE160001	CSDPT1	8	2022-07-26
6	HE160001	CSDPT2	6	2022-07-26
7	HE160001	DBIAS1	5.6	2022-07-26
8	HE160001	DBIAS2	8.6	2022-07-26
9	HE160001	DBIFE	3.5	2022-07-26
10	HE160001	DBIPE	8.2	2022-07-26
11	HE160001	DBIPT1	7.6	2022-07-26
12	HE160001	DBIPT2	7.5	2022-07-26
13	HE160001	IAOFE	7	2022-07-26
14	HE160001	IAOLAB1	10	2022-07-26
15	HE160001	IAOLA...	9	2022-07-26
16	HE160001	IAOLAB2	9.5	2022-07-26
17	HE160001	IAOLAB3	8	2022-07-26
18	HE160001	IAOLAB4	10	2022-07-26
19	HE160001	IAOLAB5	10	2022-07-26
20	HE160001	IAOLAB6	10	2022-07-26
21	HE160001	IAOLAB7	10	2022-07-26
22	HE160001	IAOLAB8	9.5	2022-07-26
23	HE160001	IAOLAB9	8	2022-07-26
24	HE160001	IAOPT1	8.5	2022-07-26
25	HE160001	IAOPT2	9.5	2022-07-26
26	HE160001	JPDAS1	6.5	2022-07-26

- **SELECT * FROM [View]**

```
INSERT [View]([Sid], [ClassID], [Average], [Status]) VALUES (N'HE160001', N'SP22IAO1',
7.56555555555, N' PASSED');
INSERT [View]([Sid], [ClassID], [Average], [Status]) VALUES (N'HE160002', N'FA21DBI1',
2.789099999999999, N'NOT PASSED');
```

```sql
INSERT [View]([Sid], [ClassID], [Average], [Status]) VALUES (N'HE160003', N'SP22IAO3',
4.68909999999, N'NOT PASSED');
INSERT [View]([Sid], [ClassID], [Average], [Status]) VALUES (N'HE160004', N'SU21CSD1',
8.76305555555, N' PASSED');
INSERT [View]([Sid], [ClassID], [Average], [Status]) VALUES (N'HE160005', N'SP22CSD2',
6.3440333333, N' PASSED');
INSERT [View]([Sid], [ClassID], [Average], [Status]) VALUES (N'HE160006', N'FA21CSD3',
3.7890996666, N'NOT PASSED');
INSERT [View]([Sid], [ClassID], [Average], [Status]) VALUES (N'HE160007', N'SP22LAB2',
753, N'PASSED');
INSERT [View]([Sid], [ClassID], [Average], [Status]) VALUES (N'HE160008', N'SU21LAB1',
749, N'NOT PASSED');
INSERT [View]([Sid], [ClassID], [Average], [Status]) VALUES (N'HE160009', N'FA21DBI3',
6.7444444444444, N' PASSED');
INSERT [View]([Sid], [ClassID], [Average], [Status]) VALUES (N'HE160010', N'SU21JPD2',
5.222222222222, N'PASSED');
```

➔ **Image result**

Results | Messages

	SID	ClassID	Average	Status
1	HE160001	SP22IAO1	2.7891	NOT PASSED
2	HE160002	FA21DBI1	2.7891	NOT PASSED
3	HE160003	SP22IAO3	4.689...	NOT PASSED
4	HE160004	SU21CS...	8.763...	PASSED
5	HE160005	SP22CS...	6.344...	PASSED
6	HE160006	FA21CS...	3.789...	NOT PASSED
7	HE160007	SP22LA...	753	PASSED
8	HE160008	SU21LA...	749	NOT PASSED
9	HE160009	FA21DBI3	6.744...	PASSED

10. Query Requirements

```sql
-- ORDER BY
SELECT [First Name]
FROM Students
ORDER BY [First Name]
```

-> Image result

Explorer

Results | Messages

	First Name
1	Anh
2	Anh
3	Anh
4	Anh
5	Anh
6	Bình
7	Chung
8	Cơ
9	Đan
10	Đăng
11	Đào
12	Đat
13	Đạt
14	Đạt
15	Đức
16	Đức
17	Dương
18	Dương
19	Giang
20	Hà
21	Hiệp
22	Hiếu
23	Hoàng
24	Huy
25	Huy
26	Huy

```
--INNER JOINS
SELECT Students.SID, [Last Name], [First Name], Classes.ClassID, AssignID, Semester,
[Start Date], [End Date]
FROM
       Students INNER JOIN [JOIN] ON Students.SID = [JOIN].SID
                      INNER JOIN Enroll ON Enroll.GID = [JOIN].GID
                      INNER JOIN Classes ON Enroll.ClassID = Classes.ClassID
```

-> Image result

Explorer

Results | Messages

	SID	Last Name	First Name	ClassID	AssignID	Semester	Start Date	End Date
1	HE160001	Đỗ Văn	Chung	FA21IAO3	IAO3	FALL 2021	2021-01-09	2021-04-08
2	HE160001	Đỗ Văn	Chung	SP22CSD1	CSD1	SPRING 2022	2022-05-09	2022-07-25
3	HE160001	Đỗ Văn	Chung	SP22LAB2	LAB2	SPRING 2022	2022-05-09	2022-07-25
4	HE160001	Đỗ Văn	Chung	SU21CS...	CSD2	SUMMER 2...	2021-04-16	2021-07-26
5	HE160001	Đỗ Văn	Chung	SU21CS...	CSD3	SUMMER 2...	2021-04-16	2021-07-26
6	HE160002	Nguyễn ...	Đức	FA21IAO3	IAO3	FALL 2021	2021-01-09	2021-04-08
7	HE160002	Nguyễn ...	Đức	SP22CSD1	CSD1	SPRING 2022	2022-05-09	2022-07-25
8	HE160002	Nguyễn ...	Đức	SP22LAB2	LAB2	SPRING 2022	2022-05-09	2022-07-25
9	HE160002	Nguyễn ...	Đức	SU21CS...	CSD2	SUMMER 2...	2021-04-16	2021-07-26
10	HE160002	Nguyễn ...	Đức	SU21CS...	CSD3	SUMMER 2...	2021-04-16	2021-07-26
11	HE160003	Lê Việt	Anh	FA21IAO3	IAO3	FALL 2021	2021-01-09	2021-04-08
12	HE160003	Lê Việt	Anh	SP22CSD1	CSD1	SPRING 2022	2022-05-09	2022-07-25
13	HE160003	Lê Việt	Anh	SP22LAB2	LAB2	SPRING 2022	2022-05-09	2022-07-25
14	HE160003	Lê Việt	Anh	SU21CS...	CSD2	SUMMER 2...	2021-04-16	2021-07-26
15	HE160003	Lê Việt	Anh	SU21CS...	CSD3	SUMMER 2...	2021-04-16	2021-07-26
16	HE160004	Hà Mạnh	Đạt	FA21IAO3	IAO3	FALL 2021	2021-01-09	2021-04-08
17	HE160004	Hà Mạnh	Đạt	SP22CSD1	CSD1	SPRING 2022	2022-05-09	2022-07-25
18	HE160004	Hà Mạnh	Đạt	SP22LAB2	LAB2	SPRING 2022	2022-05-09	2022-07-25
19	HE160004	Hà Mạnh	Đạt	SU21CS...	CSD2	SUMMER 2...	2021-04-16	2021-07-26
20	HE160004	Hà Mạnh	Đạt	SU21CS...	CSD3	SUMMER 2...	2021-04-16	2021-07-26
21	HE160005	Tạ Việt	Nam	FA21IAO3	IAO3	FALL 2021	2021-01-09	2021-04-08
22	HE160005	Tạ Việt	Nam	SP22CSD1	CSD1	SPRING 2022	2022-05-09	2022-07-25
23	HE160005	Tạ Việt	Nam	SP22LAB2	LAB2	SPRING 2022	2022-05-09	2022-07-25
24	HE160005	Tạ Việt	Nam	SU21CS...	CSD2	SUMMER 2...	2021-04-16	2021-07-26
25	HE160005	Tạ Việt	Nam	SU21CS...	CSD3	SUMMER 2...	2021-04-16	2021-07-26
26	HE160006	Vũ Đức	Huy	FA21IAO3	IAO3	FALL 2021	2021-01-09	2021-04-08

```sql
-- AGGREGATE FUNCTIONS
SELECT Lectures.LecID, [Last Name], [First Name], Semester, COUNT(Assignment.AssignID) AS
Assigned
FROM
       Lectures INNER JOIN Assignment ON Lectures.LecID = Assignment.Lecture
                        INNER JOIN Classes ON Assignment.AssignID = Classes.AssignID
GROUP BY Lectures.LecID, [Last Name], [First Name], Semester
```

➔ **Image result**

Results | Messages

	LecID	Last Name	First Name	Semester	Assigned
1	GVA	Phùng Duy	Khương	FALL 2021	2
2	GVB	Bùi Ngọc	Anh	FALL 2021	2
3	GVC	Lại Hiền	Phương	FALL 2021	1
4	GVH	Hoàng Đì...	Cường	FALL 2021	1
5	GVI	Ngô Tùng	Sơn	FALL 2021	2
6	GVJ	Tạ Đình	Tiến	FALL 2021	2
7	GVK	Trần Quý	Ban	FALL 2021	1
8	GVA	Phùng Duy	Khương	SPRING ...	1
9	GVB	Bùi Ngọc	Anh	SPRING ...	2
10	GVC	Lại Hiền	Phương	SPRING ...	1
11	GVH	Hoàng Đì...	Cường	SPRING ...	2
12	GVI	Ngô Tùng	Sơn	SPRING ...	2
13	GVJ	Tạ Đình	Tiến	SPRING ...	2
14	GVK	Trần Quý	Ban	SPRING ...	1
15	GVA	Phùng Duy	Khương	SUMME...	1
16	GVB	Bùi Ngọc	Anh	SUMME...	1
17	GVC	Lại Hiền	Phương	SUMME...	2
18	GVH	Hoàng Đì...	Cường	SUMME...	2
19	GVI	Ngô Tùng	Sơn	SUMME...	2
20	GVJ	Tạ Đình	Tiến	SUMME...	3
21	GVK	Trần Quý	Ban	SUMME...	1

```sql
-- GROUP BY AND HAVING
SELECT Lectures.LecID, [Last Name], [First Name], Semester, Enroll.GID, Enroll.ClassID,
COUNT(SID) AS [Num of Students]
FROM
       Lectures INNER JOIN Assignment ON Lectures.LecID = Assignment.Lecture
                       INNER JOIN Classes ON Classes.AssignID = Assignment.AssignID
                       INNER JOIN Enroll ON Classes.ClassID = Enroll.ClassID
                       INNER JOIN [JOIN] ON Enroll.GID = [JOIN].GID
GROUP BY Lectures.LecID, [Last Name], [First Name], Semester, Enroll.GID, Enroll.ClassID
HAVING Lectures.LecID = 'GVA'
```

➔ **Image result**

Results | Messages

	LecID	Last Name	First Name	Semester	GID	ClassID	Num of Students
1	GVA	Phùng Duy	Khương	FALL 2021	AI1606	FA21JPD2	10
2	GVA	Phùng Duy	Khương	SUMMER 2021	IS1603	SU21DBI1	10