

South London University Lecture and Placements Administration System  
Module Number: CP40054E

# Information Systems and Databases – Group Assignment

Group Number: 4

Member Student Number and Names:

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Oracle APEX Account Containing the Database Scripts:

Workspace Name: isdb-group-4

Account Name: VERBISCOMPANY@GMAIL.COM

Password: Jie\_dVQ\_qr54Uj%

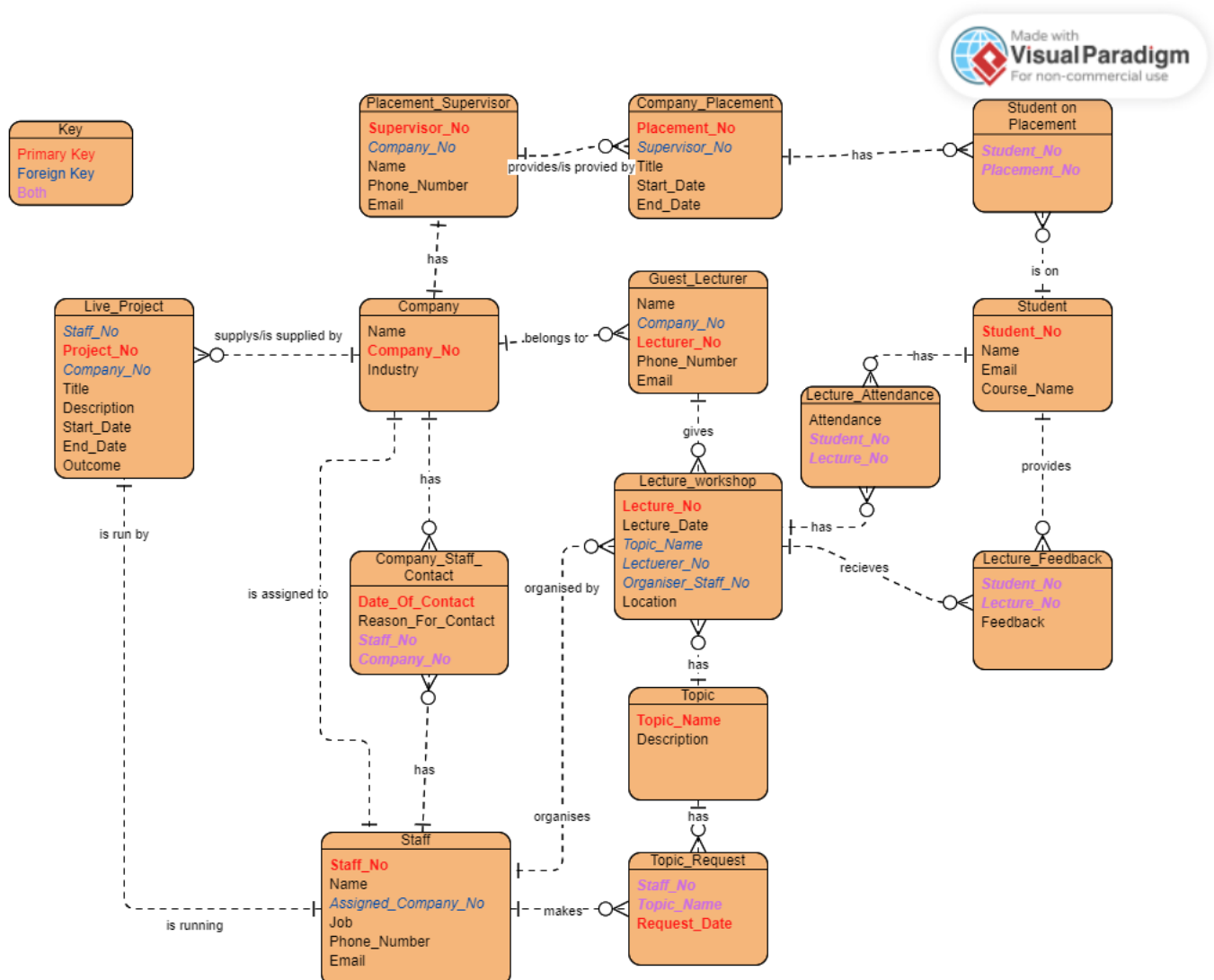
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## Assumptions/Business Rules

1. Staff can make multiple requests for the same or different topic.
2. Not every staff member will be assigned to a company. Some may have a null value on the attribute.
3. A student can go on multiple placements.
4. Each student could give only one feedback per lecture.
5. A company could oversee many live projects at the same time.
6. Live projects can run for just one day or multiple days.
7. The time and date of every live project and lecture should be stored.
8. Each lecture has a designated room or location associated with it.

## ER Diagram



## Entity Specification Forms

### Company

ENTITY NAME: Company Entity Description: Company Description				
Attribute	Data type and width	Status PK/FK/NN/I	Validation	Example of input and any other relevant info
Name	VARCHAR (30 BYTE)	NN		123212
Company_NO	NUMBER (6, 0)	PK	Must only contain numbers. Must not have any decimal point. Must not exceed 6 digits.	100204
Industry	VARCHAR (30 BYTE)	NN		Information Technology

### Staff

ENTITY NAME: Staff Entity Description: Staff Members involved				
Attribute	Data type and width	Status PK/FK/NN/I	Validation	Example of input and any other relevant info
Staff_NO	NUMBER (6, 0)	PK	Must only contain numbers. Must not have any decimal point. Must not exceed 6 digits.	222222
Name	VARCHAR (15 BYTE)	NN		122321
Assigned_Company_NO	NUMBER (6, 0)	FK	Must only contain numbers. Must not have any decimal point. Must not exceed 6 digits.	300300
Job	VARCHAR (30 BYTE)	NN		Head of school
Phone_Number	NUMBER (11, 0)	NN	Must only contain numbers. Must not have any decimal point. Must not exceed 11 digits.	07957483212
Email	VARCHAR (50 BYTE)	NN		johnsmith@example.com

## Student

ENTITY NAME: Student Entity Description: Details of the students				
Attribute	Data type and width	Status PK/FK/NN/I	Validation	Example of input and any other relevant info
Student_NO	NUMBER (6, 0)	PK	Must only contain numbers. Must not have any decimal point. Must not exceed 6 digits.	123212
Name	VARCHAR (30 BYTE)	NN		122321
Email	VARCHAR (50 BYTE)	NN		<a href="mailto:johnsmith@student.a.c.uk">johnsmith@student.a.c.uk</a>
Course_Name	VARCHAR (50 BYTE)	NN		Information Technology Management for Business

## Topic

ENTITY NAME: Topic Entity Description: What Topic the lecture is going to be about				
Attribute	Data type and width	Status PK/FK/NN/ I	Validation	Example of input and any other relevant info
Topic_Name	VARCHAR (30 BYTE)	PK		Globalisation
Description	VARCHAR (250 BYTE)			Short description of the topic.

## Topic Request

ENTITY NAME: Topic_Request Entity Description: Which Topics have been requested				
Attribute	Data type and width	Status PK/FK/NN/I	Validation	Example of input and any other relevant info
Staff_NO	NUMBER (6, 0)	PK/FK	Must only contain numbers. Must not have any decimal point. Must not exceed 6 digits.	222222
Topic_Name	VARCHAR (30 BYTE)	PK/FK		Globalisation
Request_Date	DATE	PK		01/May/2023

## Company Staff Contact

ENTITY NAME: Company_Staff_Contact Entity Description: Staff that work for the company				
Attribute	Data type and width	Status PK/FK/NN/I	Validation	Example of input and any other relevant info
Date_Of_Contact	DATE	PK		123212
Reason_For_Contact	VARCHAR (500 BYTE)	NN		Short description of the reason for contacting the company.
Staff_NO	NUMBER (6, 0)	PK/FK	Must only contain numbers. Must not have any decimal point. Must not exceed 6 digits.	222222
Company_NO	NUMBER (6, 0)	PK/FK	Must only contain numbers. Must not have any decimal point. Must not exceed 6 digits.	100204

## Live Project

ENTITY NAME: Live_Project Entity Description: Live projects that companies have organised.				
Attribute	Data type and width	Status PK/FK/NN/I	Validation	Example of input and any other relevant info
Staff_NO	NUMBER (6, 0)	FK	Must only contain numbers. Must not have any decimal point. Must not exceed 6 digits.	222222
Project_NO	NUMBER (6, 0)	PK	Must only contain numbers. Must not have any decimal point. Must not exceed 6 digits.	111111
Company_NO	NUMBER (6, 0)	FK	Must only contain numbers. Must not have any decimal point. Must not exceed 6 digits.	100204
Title	VARCHAR (30 BYTE)	NN		Future Buildings
Description	VARCHAR (250 BYTE)	NN		Short description of the live project.
Start_Date	DATE	NN	Start date <= End date	15/01/2023
End_Date	DATE	NN		30/04/2023
Outcome	VARCHAR (250 BYTE)			Short explanation of the outcome of the project. Was it a success or not? Feedback?

## Guest Lecturer

ENTITY NAME: Guest_Lecturer Entity Description: Guest lectures that the school is in contact with.				
Attribute	Data type and width	Status PK/FK/NN/I	Validation	Example of input and any other relevant info
Lecturer_NO	NUMBER (6, 0)	PK	Must only contain numbers. Must not have any decimal point. Must not exceed 6 digits.	100001
Name	VARCHAR (30 BYTE)	NN		JOHN SMITH
Phone_Number	NUMBER (11, 0)	NN	Must only contain numbers. Must not have any decimal point. Must not exceed 11 digits.	079846372181
Email	VARCHAR (50 BYTE)	NN		johnsmith@gmail.com
Company_NO	NUMBER (6, 0)	FK	Must only contain numbers. Must not have any decimal point. Must not exceed 6 digits.	100204

## Lecture Workshop

ENTITY NAME: Lecture_WorkShop Entity Description: Details about Workshop and Lecture				
Attribute	Data type and width	Status PK/FK/NN/I	Validation	Example of input and any other relevant info
Lecture_NO	NUMBER (6, 0)	PK	Must only contain numbers. Must not have any decimal point. Must not exceed 6 digits.	123212
Lecture_Date	DATE	NN		122321
Topic_Name	VARCHAR (30 BYTE)	FK		Globalisation
Lecturer_NO	NUMBER (6, 0)	FK	Must only contain numbers. Must not have any decimal point. Must not exceed 6 digits.	777777
Number_Of_Attendees	NUMBER (6, 0)			55
Organiser_Staff_NO	NUMBER (6, 0)	FK	Must only contain numbers. Must not have any decimal point. Must not exceed 6 digits.	888888
Location	VARCHAR(50 BYTE)			Floor 5 Room 5

## Placement Supervisor

ENTITY NAME: Placement_Supervisor Entity Description: Who is the supervisor in charge of the placement				
Attribute	Data type and width	Status PK/FK/NN/I	Validation	Example of input and any other relevant info
Supervisor_NO	NUMBER (6, 0)	PK	Must only contain numbers. Must not have any decimal point. Must not exceed 6 digits.	123212
Company_NO	NUMBER (6, 0)	FK	Must only contain numbers. Must not have any decimal point. Must not exceed 6 digits.	100204
Name	VARCHAR (30 BYTE)	NN		NORA SMITH
Phone_Number	NUMBER (11, 0)	NN	Must only contain numbers. Must not have any decimal point. Must not exceed 11 digits.	07997384321
Email	VARCHAR (50 BYTE)	NN		Norasmith@gmail.com

## Company Placement

ENTITY NAME: Company_Placement Entity Description: Company Placement details				
Attribute	Data type and width	Status PK/FK/NN/I	Validation	Example of input and any other relevant info
Placement_NO	NUMBER (6, 0)	PK	Must only contain numbers. Must not have any decimal point. Must not exceed 6 digits.	666666
Supervisor_NO	NUMBER (6, 0)	FK	Must only contain numbers. Must not have any decimal point. Must not exceed 6 digits.	122321
Title	VARCHAR (30 BYTE)	NN		IT Summer Internship
Start_Date	Date	NN	Start date <= End date	08/06/2023
End_Date	Date	NN		08/09/2023

## Student On Placement

ENTITY NAME: Student_On_Placement Entity Description: Details of the students on the placement				
Attribute	Data type and width	Status PK/FK/NN/I	Validation	Example of input and any other relevant info
Student_NO	NUMBER (6, 0)	PK/FK	Must only contain numbers. Must not have any decimal point. Must not exceed 6 digits.	444444
Placement_NO	NUMBER (6, 0)	PK/FK	Must only contain numbers. Must not have any decimal point. Must not exceed 6 digits.	666666



## Lecture Attendance

ENTITY NAME: Lecture_Attendance Entity Description: Attendance for each student in each lecture				
Attribute	Data type and width	Status PK/FK/NN/I	Validation	Example of input and any other relevant info
Student_NO	NUMBER (6, 0)	PK/FK	Must only contain numbers. Must not have any decimal point. Must not exceed 6 digits.	123212
Lecture_NO	NUMBER (6, 0)	PK/FK	Must only contain numbers. Must not have any decimal point. Must not exceed 6 digits.	122321
Attendance	VARCHAR (1 CHAR)		Input limited to: 'Y' or 'N'	Y

## Lecture Feedback

ENTITY NAME: Lecture_Feedback Entity Description: Feedback from the students about the lecture				
Attribute	Data type and width	Status PK/FK/NN/I	Validation	Example of input and any other relevant info
Student_NO	NUMBER (6, 0)	PK/FK	Must only contain numbers. Must not have any decimal point. Must not exceed 6 digits.	123212
Lecture_NO	NUMBER (6, 0)	PK/FK	Must only contain numbers. Must not have any decimal point. Must not exceed 6 digits.	122321
Feedback	VARCHAR (250 BYTE)	NN		Short paragraph containing feedback for a specific lecture from a specific student.

# SQL Table Creation Scripts

## Company

```
CREATE TABLE "COMPANY"  
(  
    "NAME" VARCHAR2(30) NOT NULL ENABLE,  
    "INDUSTRY" VARCHAR2(30) NOT NULL ENABLE,  
    "COMPANY_NO" NUMBER(6,0) GENERATED BY DEFAULT ON NULL AS IDENTITY  
MINVALUE 100000 MAXVALUE 999999 INCREMENT BY 1 START WITH 100000 CACHE 20  
NOORDER NOCYCLE NOKEEP NOSCALE NOT NULL ENABLE,  
    CONSTRAINT "COMPANY_PK" PRIMARY KEY ("COMPANY_NO")  
USING INDEX ENABLE  
) ;
```

## Staff

```
CREATE TABLE "STAFF"  
(  
    "STAFF_NO" NUMBER(6,0) GENERATED BY DEFAULT ON NULL AS IDENTITY  
MINVALUE 100000 MAXVALUE 999999 INCREMENT BY 1 START WITH 100000 CACHE 20  
NOORDER NOCYCLE NOKEEP NOSCALE NOT NULL ENABLE,  
    "NAME" VARCHAR2(15) NOT NULL ENABLE,  
    "ASSIGNED_COMPANY_NO" NUMBER(6,0) NOT NULL ENABLE,  
    "JOB" VARCHAR2(30) NOT NULL ENABLE,  
    "PHONE_NUMBER" NUMBER(11,0) NOT NULL ENABLE,  
    "EMAIL" VARCHAR2(30) NOT NULL ENABLE,  
    CONSTRAINT "STAFF_PK" PRIMARY KEY ("STAFF_NO")  
USING INDEX ENABLE  
) ;
```

```
ALTER TABLE "STAFF" ADD CONSTRAINT "FK_STAFF_COMPANY_NO" FOREIGN KEY  
("ASSIGNED_COMPANY_NO")  
REFERENCES "COMPANY" ("COMPANY_NO") ENABLE;
```

## Student

```
CREATE TABLE "STUDENT"  
(  
    "STUDENT_NO" NUMBER(6,0) GENERATED BY DEFAULT ON NULL AS IDENTITY  
MINVALUE 100000 MAXVALUE 999999 INCREMENT BY 1 START WITH 100000 CACHE 20  
NOORDER NOCYCLE NOKEEP NOSCALE NOT NULL ENABLE,  
    "NAME" VARCHAR2(30) NOT NULL ENABLE,  
    "EMAIL" VARCHAR2(50) NOT NULL ENABLE,  
    "COURSE_NAME" VARCHAR2(50) NOT NULL ENABLE,  
    CONSTRAINT "STUDENTS_PK" PRIMARY KEY ("STUDENT_NO")  
USING INDEX ENABLE  
) ;
```

## Topic

```
CREATE TABLE "TOPIC"  
(  
    "TOPIC_NAME" VARCHAR2(30) NOT NULL ENABLE,  
    "DESCRIPTION" VARCHAR2(250),  
    CONSTRAINT "TOPIC_PK" PRIMARY KEY ("TOPIC_NAME")  
USING INDEX ENABLE  
) ;
```

## Topic Request

```
CREATE TABLE "TOPIC_REQUEST"
(
    "STAFF_NO" NUMBER(6,0) NOT NULL ENABLE,
    "TOPIC_NAME" VARCHAR2(30) NOT NULL ENABLE,
    "REQUEST_DATE" DATE NOT NULL ENABLE,
    CONSTRAINT "TOPIC_REQUEST_PK" PRIMARY KEY ("STAFF_NO", "TOPIC_NAME",
"REQUEST_DATE")
    USING INDEX ENABLE
) ;

ALTER TABLE "TOPIC_REQUEST" ADD CONSTRAINT "TOPIC_REQUEST_CON_STAFFNO"
FOREIGN KEY ("STAFF_NO")
    REFERENCES "STAFF" ("STAFF_NO") ENABLE;
ALTER TABLE "TOPIC_REQUEST" ADD CONSTRAINT "TOPIC_REQUEST_CON_TOPICNAME"
FOREIGN KEY ("TOPIC_NAME")
    REFERENCES "TOPIC" ("TOPIC_NAME") ENABLE;
```

## Company Staff Contact

```
CREATE TABLE "COMPANY_STAFF_CONTACT"
(
    "DATE_OF_CONTACT" DATE NOT NULL ENABLE,
    "REASON_FOR_CONTACT" VARCHAR2(500) NOT NULL ENABLE,
    "STAFF_NO" NUMBER(6,0) NOT NULL ENABLE,
    "COMPANY_NO" NUMBER(6,0) NOT NULL ENABLE,
    CONSTRAINT "COMPANY_STAFF_CONTACT_PK" PRIMARY KEY ("DATE_OF_CONTACT",
"STAFF_NO", "COMPANY_NO")
    USING INDEX ENABLE
) ;

ALTER TABLE "COMPANY_STAFF_CONTACT" ADD CONSTRAINT
"FK_COMPANY_STAFF_CONTACT_COMPANY_NO" FOREIGN KEY ("COMPANY_NO")
    REFERENCES "COMPANY" ("COMPANY_NO") ENABLE;
ALTER TABLE "COMPANY_STAFF_CONTACT" ADD CONSTRAINT
"FK_COMPANY_STAFF_CONTACT_STAFFNO" FOREIGN KEY ("STAFF_NO")
    REFERENCES "STAFF" ("STAFF_NO") ENABLE;
```

## Live Project

```
CREATE TABLE "LIVE_PROJECT"
(
    "STAFF_NO" NUMBER(6,0) NOT NULL ENABLE,
    "PROJECT_NO" NUMBER(6,0) GENERATED BY DEFAULT ON NULL AS IDENTITY
MINVALUE 100000 MAXVALUE 999999 INCREMENT BY 1 START WITH 100000 CACHE 20
NOORDER NOCYCLE NOKEEP NOSCALE NOT NULL ENABLE,
    "COMPANY_NO" NUMBER(6,0) NOT NULL ENABLE,
    "TITLE" VARCHAR2(30) NOT NULL ENABLE,
    "DESCRIPTION" VARCHAR2(250) NOT NULL ENABLE,
    "START_DATE" DATE NOT NULL ENABLE,
    "END_DATE" DATE NOT NULL ENABLE,
    "OUTCOME" VARCHAR2(250),
    CONSTRAINT "LIVE_PROJECT_PK" PRIMARY KEY ("PROJECT_NO")
USING INDEX ENABLE
    CONSTRAINT "CHK_LIVE_PROJECT_START_DATE" CHECK ( "START_DATE" <=
"END_DATE" ) ENABLE
) ;

ALTER TABLE "LIVE_PROJECT" ADD CONSTRAINT "FK_LIVE_PROJECT_COMPANY_NO"
FOREIGN KEY ("COMPANY_NO")
    REFERENCES "COMPANY" ("COMPANY_NO") ENABLE;
ALTER TABLE "LIVE_PROJECT" ADD CONSTRAINT "FK_LIVE_PROJECT_STAFF_NO"
FOREIGN KEY ("STAFF_NO")
    REFERENCES "STAFF" ("STAFF_NO") ENABLE;
```

## Guest Lecturer

```
CREATE TABLE "GUEST_LLECTURER"
(
    "LECTURER_NO" NUMBER(6,0) GENERATED BY DEFAULT ON NULL AS IDENTITY
MINVALUE 100000 MAXVALUE 999999 INCREMENT BY 1 START WITH 100000 CACHE 20
NOORDER NOCYCLE NOKEEP NOSCALE NOT NULL ENABLE,
    "NAME" VARCHAR2(30) NOT NULL ENABLE,
    "PHONE_NUMBER" NUMBER(11,0) NOT NULL ENABLE,
    "EMAIL" VARCHAR2(50) NOT NULL ENABLE,
    "COMPANY_NO" NUMBER(6,0) NOT NULL ENABLE,
    CONSTRAINT "GUEST_LLECTURER_PK" PRIMARY KEY ("LECTURER_NO")
USING INDEX ENABLE
) ;

ALTER TABLE "GUEST_LLECTURER" ADD CONSTRAINT
"FK_GUEST_LLECTURER_COMPANY_NO" FOREIGN KEY ("COMPANY_NO")
    REFERENCES "COMPANY" ("COMPANY_NO") ENABLE;
```

## Lecture Workshop

```
CREATE TABLE "LECTURE_WORKSHOP"
(
    "LECTURE_NO" NUMBER(6,0) GENERATED BY DEFAULT ON NULL AS IDENTITY
MINVALUE 100000 MAXVALUE 999999 INCREMENT BY 1 START WITH 100000 CACHE 20
NOORDER NOCYCLE NOKEEP NOSCALE NOT NULL ENABLE,
    "LECTURE_DATE" DATE NOT NULL ENABLE,
    "TOPIC_NAME" VARCHAR2(30) NOT NULL ENABLE,
    "LECTURER_NO" NUMBER(6,0) NOT NULL ENABLE,
    "NUMBER_OF_ATTENDEES" NUMBER(6,0) NOT NULL ENABLE,
    "ORGANSIER_STAFF_NO" NUMBER(6,0) NOT NULL ENABLE,
    "LOCATION" VARCHAR2(50),
    CONSTRAINT "LECTURE_WORKSHOP_PK" PRIMARY KEY ("LECTURE_NO")
USING INDEX ENABLE
) ;

ALTER TABLE "LECTURE_WORKSHOP" ADD CONSTRAINT
"FK_LECTURE_WORKSHOP_TOPIC_NAME" FOREIGN KEY ("TOPIC_NAME")
REFERENCES "TOPIC" ("TOPIC_NAME") ENABLE;
ALTER TABLE "LECTURE_WORKSHOP" ADD CONSTRAINT
"FK_LECTURE_WORKSHOP_LECTURER_NO" FOREIGN KEY ("LECTURER_NO")
REFERENCES "GUEST_LECTURER" ("LECTURER_NO") ENABLE;
ALTER TABLE "LECTURE_WORKSHOP" ADD CONSTRAINT
"FK_LECTURE_WORKSHOP_STAFFNO" FOREIGN KEY ("ORGANSIER_STAFF_NO")
REFERENCES "STAFF" ("STAFF_NO") ENABLE;
```

## Placement Supervisor

```
CREATE TABLE "PLACEMENT_SUPERVISOR"
(
    "SUPERVISOR_NO" NUMBER(6,0) GENERATED BY DEFAULT ON NULL AS
IDENTITY MINVALUE 100000 MAXVALUE 999999 INCREMENT BY 1 START WITH 100000
CACHE 20 NOORDER NOCYCLE NOKEEP NOSCALE NOT NULL ENABLE,
    "COMPANY_NO" NUMBER(6,0) NOT NULL ENABLE,
    "NAME" VARCHAR2(30) NOT NULL ENABLE,
    "PHONE_NUMBER" NUMBER(11,0) NOT NULL ENABLE,
    "EMAIL" VARCHAR2(30) NOT NULL ENABLE,
    CONSTRAINT "PLACEMENT_SUPERVISOR_PK" PRIMARY KEY ("SUPERVISOR_NO")
USING INDEX ENABLE
) ;

ALTER TABLE "PLACEMENT_SUPERVISOR" ADD CONSTRAINT
"FK_PLACEMENT_SUPERVISOR_COMPANY_NO" FOREIGN KEY ("COMPANY_NO")
REFERENCES "COMPANY" ("COMPANY_NO") ENABLE;
```

## Company Placement

```
CREATE TABLE "COMPANY_PLACEMENT"
(
    "PLACEMENT_NO" NUMBER(6,0) GENERATED BY DEFAULT ON NULL AS IDENTITY
MINVALUE 100000 MAXVALUE 999999 INCREMENT BY 1 START WITH 100000 CACHE 20
NOORDER NOCYCLE NOKEEP NOSCALE NOT NULL ENABLE,
    "SUPERVISOR_NO" NUMBER(6,0) NOT NULL ENABLE,
    "TITLE" VARCHAR2(30) NOT NULL ENABLE,
    "START_DATE" DATE NOT NULL ENABLE,
    "END_DATE" DATE NOT NULL ENABLE,
    CONSTRAINT "COMPANY_PLACEMENT_PK" PRIMARY KEY ("PLACEMENT_NO")
USING INDEX ENABLE
    CONSTRAINT "CHK_COMPANY_PLACEMENT_START_DATE" CHECK ( "START_DATE" <=
"END_DATE" ) ENABLE
) ;

ALTER TABLE "COMPANY_PLACEMENT" ADD CONSTRAINT
"FK_COMPANY_PLACEMENT_SUPERVISOR_NO" FOREIGN KEY ("SUPERVISOR_NO")
REFERENCES "PLACEMENT_SUPERVISOR" ("SUPERVISOR_NO") ENABLE;
```

## Student On Placement

```
CREATE TABLE "STUDENT_ON_PLACEMENT"
(
    "STUDENT_NO" NUMBER(6,0) NOT NULL ENABLE,
    "PLACEMENT_NO" NUMBER(6,0) NOT NULL ENABLE,
    CONSTRAINT "STUDENT_ON_PLACEMENT_PK" PRIMARY KEY ("STUDENT_NO",
"PLACEMENT_NO")
USING INDEX ENABLE
) ;

ALTER TABLE "STUDENT_ON_PLACEMENT" ADD CONSTRAINT
"FK_STUDENT_ON_PLACEMENT_PLACEMENT_NO" FOREIGN KEY ("PLACEMENT_NO")
REFERENCES "COMPANY_PLACEMENT" ("PLACEMENT_NO") ENABLE;
ALTER TABLE "STUDENT_ON_PLACEMENT" ADD CONSTRAINT
"FK_STUDENT_ON_PLACEMENT_STUDENT_NO" FOREIGN KEY ("STUDENT_NO")
REFERENCES "STUDENT" ("STUDENT_NO") ENABLE;
```

## Lecture Attendance

```
CREATE TABLE "LECTURE_ATTENDANCE"
(
    "STUDENT_NO" NUMBER(6,0) GENERATED BY DEFAULT ON NULL AS IDENTITY
MINVALUE 100000 MAXVALUE 999999 INCREMENT BY 1 START WITH 100000 CACHE 20
NOORDER NOCYCLE NOKEEP NOSCALE NOT NULL ENABLE,
    "LECTURE_NO" NUMBER(6,0) NOT NULL ENABLE,
    "ATTENDANCE" VARCHAR2(1) NOT NULL ENABLE,
    CONSTRAINT "LECTURE_ATTENDANCE_PK" PRIMARY KEY ("STUDENT_NO")
USING INDEX ENABLE,
    CONSTRAINT "CHK_Lecture_ATTENDANCE_ATTENDANCE" CHECK ( "ATTENDANCE" IN
('Y','N') ) ENABLE
) ;

ALTER TABLE "LECTURE_ATTENDANCE" ADD CONSTRAINT
"FK_Lecture_ATTENDANCE_STUDENT_NO" FOREIGN KEY ("STUDENT_NO")
REFERENCES "STUDENT" ("STUDENT_NO") ENABLE;
ALTER TABLE "LECTURE_ATTENDANCE" ADD CONSTRAINT
"FK_Lecture_ATTENDANCE_LECTURENO" FOREIGN KEY ("LECTURE_NO")
REFERENCES "LECTURE_WORKSHOP" ("LECTURE_NO") ENABLE;
```

## Lecture Feedback

```
CREATE TABLE "LECTURE_FEEDBACK"
(
    "STUDENT_NO" NUMBER(6,0) NOT NULL ENABLE,
    "LECTURE_NO" NUMBER(6,0) NOT NULL ENABLE,
    "FEEDBACK" VARCHAR2(250) NOT NULL ENABLE,
    CONSTRAINT "LECTURE_FEEDBACK_PK" PRIMARY KEY ("STUDENT_NO",
"LECTURE_NO")
    USING INDEX ENABLE
) ;

ALTER TABLE "LECTURE_FEEDBACK" ADD CONSTRAINT
"FK_LECTURE_FEEDBACK_STUDENT_NO" FOREIGN KEY ("STUDENT_NO")
REFERENCES "STUDENT" ("STUDENT_NO") ENABLE;
ALTER TABLE "LECTURE_FEEDBACK" ADD CONSTRAINT
"FK_LECTURE_FEEDBACK_LECTURE_NO" FOREIGN KEY ("LECTURE_NO")
REFERENCES "LECTURE_WORKSHOP" ("LECTURE_NO") ENABLE;
```

## Insert Into Scripts

### Company

```
insert into "COMPANY" ("NAME","INDUSTRY","COMPANY_NO") values ('Gervin Heavy
Industries','Lessors of Nonfinancial Intang',853008);
insert into "COMPANY" ("NAME","INDUSTRY","COMPANY_NO") values ('Strini
International','Electronics and Appliance Stor',591081);
insert into "COMPANY" ("NAME","INDUSTRY","COMPANY_NO") values ('Bekerman
Corporation','Motion Picture and Sound Recor',992484);
insert into "COMPANY" ("NAME","INDUSTRY","COMPANY_NO") values ('Temores
Group','Publishing Industries (except ',564872);
insert into "COMPANY" ("NAME","INDUSTRY","COMPANY_NO") values ('Moncure Heavy
Industries','Securities, Commodity Contract',736901);
insert into "COMPANY" ("NAME","INDUSTRY","COMPANY_NO") values ('Pecatoste
Pharmaceuticals','Credit Intermediation and Rela',289220);
insert into "COMPANY" ("NAME","INDUSTRY","COMPANY_NO") values ('Niskala
Company','Professional, Scientific, and ',535314);
insert into "COMPANY" ("NAME","INDUSTRY","COMPANY_NO") values ('Flook and
Sons','Insurance Carriers and Related',684288);
insert into "COMPANY" ("NAME","INDUSTRY","COMPANY_NO") values ('Paczkowski
Pharmaceuticals','Food and Beverage Stores ',113385);
insert into "COMPANY" ("NAME","INDUSTRY","COMPANY_NO") values ('Perrine
International','Scenic and Sightseeing Transpo',938353);
insert into "COMPANY" ("NAME","INDUSTRY","COMPANY_NO") values ('Girardi
Cosmetics','Warehousing and Storage',798364);
insert into "COMPANY" ("NAME","INDUSTRY","COMPANY_NO") values ('Williams
Corporation','Pipeline Transportation',772277);
insert into "COMPANY" ("NAME","INDUSTRY","COMPANY_NO") values ('Koschnitzki and
Sons','Rental and Leasing Services',875723);
insert into "COMPANY" ("NAME","INDUSTRY","COMPANY_NO") values ('Burd
Design','Social Assistance',526598);
insert into "COMPANY" ("NAME","INDUSTRY","COMPANY_NO") values ('Sakoda
Studios','Health and Personal Care Store',664062);
```

```

insert into "COMPANY" ("NAME","INDUSTRY","COMPANY_NO") values ('Wilson
International','Support Activities for Transpo',463561);
insert into "COMPANY" ("NAME","INDUSTRY","COMPANY_NO") values ('Dardar
Cosmetics','Furniture and Home Furnishings',363380);
insert into "COMPANY" ("NAME","INDUSTRY","COMPANY_NO") values ('Bateman
Pharmaceuticals','Broadcasting (except Internet)',671159);
insert into "COMPANY" ("NAME","INDUSTRY","COMPANY_NO") values ('Loera
Corporation','Couriers and Messengers',594158);
insert into "COMPANY" ("NAME","INDUSTRY","COMPANY_NO") values ('Genco and
Sons','Building Material and Garden E',253474);
insert into "COMPANY" ("NAME","INDUSTRY","COMPANY_NO") values ('Nored
Studios','Motor Vehicle and Parts Dealer',571662);
insert into "COMPANY" ("NAME","INDUSTRY","COMPANY_NO") values ('Grimstead
Cosmetics','Nursing and Residential Care F',268942);
insert into "COMPANY" ("NAME","INDUSTRY","COMPANY_NO") values ('Shackley
International','Transit and Ground Passenger T',819404);
insert into "COMPANY" ("NAME","INDUSTRY","COMPANY_NO") values ('Carreon
Studios','Funds, Trusts, and Other Finan',313402);
insert into "COMPANY" ("NAME","INDUSTRY","COMPANY_NO") values ('Binette
Company','Truck Transportation',866196);
/* multiple of each company type have been inserted */

```

## Staff

```

insert into "STAFF"
("STAFF_NO","NAME","ASSIGNED_COMPANY_NO","JOB","PHONE_NUMBER","EMAIL") values
(560460,'Perrine, Donna','493573','Num Nam Te Mutat
Sadipscing.','70408531337','Donna.Perrine@internalmail');
insert into "STAFF"
("STAFF_NO","NAME","ASSIGNED_COMPANY_NO","JOB","PHONE_NUMBER","EMAIL") values
(749740,'Genco, Brandy','936685','I Eam At Quo Justo Oportere
M.','75919390927','Brandy.Genco@internalmail');
insert into "STAFF"
("STAFF_NO","NAME","ASSIGNED_COMPANY_NO","JOB","PHONE_NUMBER","EMAIL") values
(832054,'Strini, Enoch','918966','Delenit Dissentiet Eu Vim
Id.','71397075799','Enoch.Strini@internalmail');
insert into "STAFF"
("STAFF_NO","NAME","ASSIGNED_COMPANY_NO","JOB","PHONE_NUMBER","EMAIL") values
(281079,'Moncure, Elaine','382736','Usu Incibo Prodesset
Def.','71807467508','Elaine.Moncure@internalmail');
insert into "STAFF"
("STAFF_NO","NAME","ASSIGNED_COMPANY_NO","JOB","PHONE_NUMBER","EMAIL") values
(800794,'Bekerman, Rudol','127426','Id Nec Ei Erat Euismod
Epicur.','71130493742','Rudolph.Bekerman@internalmail');
insert into "STAFF"
("STAFF_NO","NAME","ASSIGNED_COMPANY_NO","JOB","PHONE_NUMBER","EMAIL") values
(961529,'Carreon, Angelo','541715','Putant Suscipiantur
Definitio.','78152433806','Angelo.Carreon@internalmail');

```



```

insert into "STAFF"
("STAFF_NO","NAME","ASSIGNED_COMPANY_NO","JOB","PHONE_NUMBER","EMAIL") values
(572658,'Shackley, Lloyd','148840','Initiones Cu Cum Eu Has
Debe.','70788549036','Lloyd.Shackley@internalmail');
insert into "STAFF"
("STAFF_NO","NAME","ASSIGNED_COMPANY_NO","JOB","PHONE_NUMBER","EMAIL") values
(292702,'Dardar, Ami','664172','Id Pri Conceptam
Inciderin.','70207836510','Ami.Dardar@internalmail');
insert into "STAFF"
("STAFF_NO","NAME","ASSIGNED_COMPANY_NO","JOB","PHONE_NUMBER","EMAIL") values
(727717,'Niskala, Jackly','395950','Actatos Efficiendi An His
A.','71319467166','Jacklyn.Niskala@internalmail');
insert into "STAFF"
("STAFF_NO","NAME","ASSIGNED_COMPANY_NO","JOB","PHONE_NUMBER","EMAIL") values
(469926,'Burd, Haywood','801345','Ius Cum Has Et Populo
Putent.','75200871529','Haywood.Burd@internalmail');
insert into "STAFF"
("STAFF_NO","NAME","ASSIGNED_COMPANY_NO","JOB","PHONE_NUMBER","EMAIL") values
(824912,'Paczkowski, Rey','222838','Iendo An Est Et Eam
Commune.','79949743373','Reyes.Paczkowski@internalmail');
insert into "STAFF"
("STAFF_NO","NAME","ASSIGNED_COMPANY_NO","JOB","PHONE_NUMBER","EMAIL") values
(873811,'Williams, James','812149','Rtem Altera Suscipiantur
Con.','75234691513','James.Williams@internalmail');
insert into "STAFF"
("STAFF_NO","NAME","ASSIGNED_COMPANY_NO","JOB","PHONE_NUMBER","EMAIL") values
(792786,'Wilson, Patrici','411516','Icatissimi Ad At Quo
Recteque.','76250694793','Patricia.Wilson@internalmail');
insert into "STAFF"
("STAFF_NO","NAME","ASSIGNED_COMPANY_NO","JOB","PHONE_NUMBER","EMAIL") values
(941492,'Temores, Eustol','729704','Adolescens Ex Nemore
Facilisi.','79598963451','Eustolia.Temores@internalmail');
insert into "STAFF"
("STAFF_NO","NAME","ASSIGNED_COMPANY_NO","JOB","PHONE_NUMBER","EMAIL") values
(613708,'Binette, Alex','714398','Nes Sed Ad Natum Integre
Alie.','75608230646','Alex.Binette@internalmail');
insert into "STAFF"
("STAFF_NO","NAME","ASSIGNED_COMPANY_NO","JOB","PHONE_NUMBER","EMAIL") values
(500195,'Flook, Sarah','413720','Urbanitas Nobis Iriure
Alte.','75601640836','Sarah.Flook@internalmail');
insert into "STAFF"
("STAFF_NO","NAME","ASSIGNED_COMPANY_NO","JOB","PHONE_NUMBER","EMAIL") values
(351982,'Pecatoste, Jone','223383','Ex Eam At Utroque
Laoreet.','73659407828','Jonell.Pecatoste@internalmail');
insert into "STAFF"
("STAFF_NO","NAME","ASSIGNED_COMPANY_NO","JOB","PHONE_NUMBER","EMAIL") values
(712813,'Gervin, Chet','398318','Ndis No Meitritani
Tincidun.','70842040621','Chet.Gervin@internalmail');

```

```

insert into "STAFF"
("STAFF_NO","NAME","ASSIGNED_COMPANY_NO","JOB","PHONE_NUMBER","EMAIL") values
(339875,'Bateman, Floran','703884','Repudiare Sed Eahas
Ignot.','74664278593','Florance.Bateman@internalmail');
insert into "STAFF"
("STAFF_NO","NAME","ASSIGNED_COMPANY_NO","JOB","PHONE_NUMBER","EMAIL") values
(743391,'Nored, Luigi','409868','Tincidunt Liber Aeterno
Adve.','75409912722','Luigi.Nored@internalmail');
insert into "STAFF"
("STAFF_NO","NAME","ASSIGNED_COMPANY_NO","JOB","PHONE_NUMBER","EMAIL") values
(705601,'Sakoda, Angel','229452','Rgren Pro An Eam Cu Iisque
S.','72266187684','Angel.Sakoda@internalmail');
insert into "STAFF"
("STAFF_NO","NAME","ASSIGNED_COMPANY_NO","JOB","PHONE_NUMBER","EMAIL") values
(333208,'Grimstead, Teis','123456','Teque Cu Eos Sonet Nemore
Del.','79857329918','Teisha.Grimstead@internalmail');
insert into "STAFF"
("STAFF_NO","NAME","ASSIGNED_COMPANY_NO","JOB","PHONE_NUMBER","EMAIL") values
(657211,'Koschnitzki, Ne','593425','O His Veniam Molestiae
Assuev.','71638934694','Nelson.Koschnitzki@internalmai');
insert into "STAFF"
("STAFF_NO","NAME","ASSIGNED_COMPANY_NO","JOB","PHONE_NUMBER","EMAIL") values
(448283,'Girardi, Julien','515217','Escens Sea Ex Quas Latine
Rec.','75454296807','Julien.Girardi@internalmail');
insert into "STAFF"
("STAFF_NO","NAME","ASSIGNED_COMPANY_NO","JOB","PHONE_NUMBER","EMAIL") values
(784758,'Loera, Alex','757374','Diam His In Vis Sint Brute
L.','78844965740','Alex.Loera@internalmail');
/* multiple of each staff type with an assigned company have been inserted */

```

## Student

```

insert into "STUDENT" ("STUDENT_NO","NAME","EMAIL","COURSE_NAME") values
(631570,'Bekerman, Rudolph','Rudolph.Bekerman@internalmail','Veterinarian
Studies');
insert into "STUDENT" ("STUDENT_NO","NAME","EMAIL","COURSE_NAME") values
(448762,'Carreon, Angelo','Angelo.Carreon@internalmail','Veterinarian Studies');
insert into "STUDENT" ("STUDENT_NO","NAME","EMAIL","COURSE_NAME") values
(320457,'Paczkowski, Reyes','Reyes.Paczkowski@internalmail','Medicine');
insert into "STUDENT" ("STUDENT_NO","NAME","EMAIL","COURSE_NAME") values
(419541,'Lobregat, Norman','Norman.Lobregat@internalmail','Medicine');
insert into "STUDENT" ("STUDENT_NO","NAME","EMAIL","COURSE_NAME") values
(371374,'Strini, Enoch','Enoch.Strini@internalmail','Medicine');
insert into "STUDENT" ("STUDENT_NO","NAME","EMAIL","COURSE_NAME") values
(723898,'Scrobola, Jamison','Jamison.Scrobola@internalmail','Veterinarian
Studies');
insert into "STUDENT" ("STUDENT_NO","NAME","EMAIL","COURSE_NAME") values
(282538,'Chestand, Casey','Casey.Chestand@internalmail','Veterinarian Studies');

```

```

insert into "STUDENT" ("STUDENT_NO", "NAME", "EMAIL", "COURSE_NAME") values
(463537, 'Bateman, Florance', 'Florance.Bateman@internalmail', 'Veterinarian
Studies');
insert into "STUDENT" ("STUDENT_NO", "NAME", "EMAIL", "COURSE_NAME") values
(969166, 'Niskala, Jacklyn', 'Jacklyn.Niskala@internalmail', 'Business Studies');
insert into "STUDENT" ("STUDENT_NO", "NAME", "EMAIL", "COURSE_NAME") values
(272704, 'Nored, Luigi', 'Luigi.Nored@internalmail', 'Business Studies');
insert into "STUDENT" ("STUDENT_NO", "NAME", "EMAIL", "COURSE_NAME") values
(546340, 'Genco, Brandy', 'Brandy.Genco@internalmail', 'Business Studies');
insert into "STUDENT" ("STUDENT_NO", "NAME", "EMAIL", "COURSE_NAME") values
(455197, 'Shackley, Lloyd', 'Lloyd.Shackley@internalmail', 'Maths');
insert into "STUDENT" ("STUDENT_NO", "NAME", "EMAIL", "COURSE_NAME") values
(767266, 'Blasingim, Tim', 'Tim.Blasingim@internalmail', 'Maths');
insert into "STUDENT" ("STUDENT_NO", "NAME", "EMAIL", "COURSE_NAME") values
(728664, 'Iannotti, Adeline', 'Adeline.Iannotti@internalmail', 'Maths');
insert into "STUDENT" ("STUDENT_NO", "NAME", "EMAIL", "COURSE_NAME") values
(417887, 'Schoepfer, Leon', 'Leon.Schoepfer@internalmail', 'Engineering');
insert into "STUDENT" ("STUDENT_NO", "NAME", "EMAIL", "COURSE_NAME") values
(202700, 'Sakoda, Angel', 'Angel.Sakoda@internalmail', 'Engineering');
insert into "STUDENT" ("STUDENT_NO", "NAME", "EMAIL", "COURSE_NAME") values
(732582, 'Gervin, Chet', 'Chet.Gervin@internalmail', 'Engineering');
insert into "STUDENT" ("STUDENT_NO", "NAME", "EMAIL", "COURSE_NAME") values
(544727, 'Girardi, Julien', 'Julien.Girardi@internalmail', 'Chemistry');
insert into "STUDENT" ("STUDENT_NO", "NAME", "EMAIL", "COURSE_NAME") values
(388831, 'Shortes, Erica', 'Erica.Shortes@internalmail', 'Chemistry');
insert into "STUDENT" ("STUDENT_NO", "NAME", "EMAIL", "COURSE_NAME") values
(724705, 'Burd, Haywood', 'Haywood.Burd@internalmail', 'Chemistry');
insert into "STUDENT" ("STUDENT_NO", "NAME", "EMAIL", "COURSE_NAME") values
(261702, 'Binette, Alex', 'Alex.Binette@internalmail', 'Historical Studies');
insert into "STUDENT" ("STUDENT_NO", "NAME", "EMAIL", "COURSE_NAME") values
(153045, 'Liddicoat, Daisy', 'Daisy.Liddicoat@internalmail', 'Historical Studies');
insert into "STUDENT" ("STUDENT_NO", "NAME", "EMAIL", "COURSE_NAME") values
(960272, 'Livshits, Kristina', 'Kristina.Livshits@internalmail', 'Historical
Studies');
insert into "STUDENT" ("STUDENT_NO", "NAME", "EMAIL", "COURSE_NAME") values
(104772, 'Doorn, Jessika', 'Jessika.Doorn@internalmail', 'Chemistry');
insert into "STUDENT" ("STUDENT_NO", "NAME", "EMAIL", "COURSE_NAME") values
(794261, 'Grimstead, Teisha', 'Teisha.Grimstead@internalmail', 'Chemistry');
insert into "STUDENT" ("STUDENT_NO", "NAME", "EMAIL", "COURSE_NAME") values
(776110, 'Puchalla, Verda', 'Verda.Puchalla@internalmail', 'Chemistry');
insert into "STUDENT" ("STUDENT_NO", "NAME", "EMAIL", "COURSE_NAME") values
(321292, 'Arana, Wysteria', 'Wysteria.Arana@internalmail', 'Maths');
insert into "STUDENT" ("STUDENT_NO", "NAME", "EMAIL", "COURSE_NAME") values
(243090, 'Moncure, Elaine', 'Elaine.Moncure@internalmail', 'Maths');
insert into "STUDENT" ("STUDENT_NO", "NAME", "EMAIL", "COURSE_NAME") values
(596487, 'Wida, Laveta', 'Laveta.Wida@internalmail', 'Maths');
insert into "STUDENT" ("STUDENT_NO", "NAME", "EMAIL", "COURSE_NAME") values
(351623, 'Curlee, Tyler', 'Tyler.Curlee@internalmail', 'Chemistry');

```

```

insert into "STUDENT" ("STUDENT_NO","NAME","EMAIL","COURSE_NAME") values
(772658,'Loera, Alex','Alex.Loera@internalmail','Chemistry');
insert into "STUDENT" ("STUDENT_NO","NAME","EMAIL","COURSE_NAME") values
(413012,'Gagner, Alvin','Alvin.Gagner@internalmail','Chemistry');
insert into "STUDENT" ("STUDENT_NO","NAME","EMAIL","COURSE_NAME") values
(692842,'Wilson, Patricia','Patricia.Wilson@internalmail','Psychology');
insert into "STUDENT" ("STUDENT_NO","NAME","EMAIL","COURSE_NAME") values
(602821,'Dardar, Ami','Ami.Dardar@internalmail','Psychology');
insert into "STUDENT" ("STUDENT_NO","NAME","EMAIL","COURSE_NAME") values
(541802,'Lannon, Eldon','Eldon.Lannon@internalmail','Psychology');
insert into "STUDENT" ("STUDENT_NO","NAME","EMAIL","COURSE_NAME") values
(578551,'Flook, Sarah','Sarah.Flook@internalmail','Historical Studies');
insert into "STUDENT" ("STUDENT_NO","NAME","EMAIL","COURSE_NAME") values
(521856,'Pecatoste, Jonell','Jonell.Pecatoste@internalmail','Historical Studies');
insert into "STUDENT" ("STUDENT_NO","NAME","EMAIL","COURSE_NAME") values
(455759,'Gammons, Jaimee','Jaimee.Gammons@internalmail','Historical Studies');
insert into "STUDENT" ("STUDENT_NO","NAME","EMAIL","COURSE_NAME") values
(371074,'Temores, Eustolia','Eustolia.Temores@internalmail','Business Studies');
insert into "STUDENT" ("STUDENT_NO","NAME","EMAIL","COURSE_NAME") values
(331448,'Williams, James','James.Williams@internalmail','Business Studies');
insert into "STUDENT" ("STUDENT_NO","NAME","EMAIL","COURSE_NAME") values
(199710,'Goffredo, Scotty','Scotty.Goffredo@internalmail','Business Studies');
insert into "STUDENT" ("STUDENT_NO","NAME","EMAIL","COURSE_NAME") values
(426870,'Golz, Emmett','Emmett.Golz@internalmail','Veterinarian Studies');
insert into "STUDENT" ("STUDENT_NO","NAME","EMAIL","COURSE_NAME") values
(855781,'Yerdon, Quinn','Quinn.Yerdon@internalmail','Veterinarian Studies');
insert into "STUDENT" ("STUDENT_NO","NAME","EMAIL","COURSE_NAME") values
(384469,'Huckeba, Loyd','Loyd.Huckeba@internalmail','Veterinarian Studies');
insert into "STUDENT" ("STUDENT_NO","NAME","EMAIL","COURSE_NAME") values
(736676,'Clippard, Jewel','Jewel.Clippard@internalmail','Engineering');
insert into "STUDENT" ("STUDENT_NO","NAME","EMAIL","COURSE_NAME") values
(671854,'Fornell, Janey','Janey.Fornell@internalmail','Engineering');
insert into "STUDENT" ("STUDENT_NO","NAME","EMAIL","COURSE_NAME") values
(201025,'Siprasoeuth, Latoria','Latoria.Siprasoeuth@internalmail','Engineering');
insert into "STUDENT" ("STUDENT_NO","NAME","EMAIL","COURSE_NAME") values
(702554,'Perrine, Donna','Donna.Perrine@internalmail','Computer Science');
insert into "STUDENT" ("STUDENT_NO","NAME","EMAIL","COURSE_NAME") values
(900621,'Goodspeed, Hyrum','Hyrum.Goodspeed@internalmail','Computer Science');
insert into "STUDENT" ("STUDENT_NO","NAME","EMAIL","COURSE_NAME") values
(309970,'Koschnitzki, Nelson','Nelson.Koschnitzki@internalmail','Computer
Science');
/* multiple students have been inserted */

```

## Topic

```

insert into "TOPIC" ("TOPIC_NAME","DESCRIPTION") values ('E - Commerce','E-
commerce is the purchase and sale of goods or services over the internet. E-
commerce is a quick and easy way to shop. Customers can shop from the comfort of
their own homes and have their purchases delivered to them.');
```

```
insert into "TOPIC" ("TOPIC_NAME","DESCRIPTION") values
('Entrepreneurship','Entrepreneurship is the process of starting a new company and
bringing it to market. It is a risky but rewarding endeavour that can lead to
significant financial and personal success, such as the creation of new jobs, the
generation of new ideas, and the acceleration of economic growth.');
```

insert into "TOPIC" ("TOPIC\_NAME","DESCRIPTION") values ('Business Modelling','A
visual representation of how a business creates, delivers, and captures value is
known as business modelling. It is a tool for understanding the business,
communicating the business to others, and improving the business. Business
modelling is an essential tool for all types of businesses. Businesses can achieve
their goals and objectives by understanding and improving their business model.');

```
insert into "TOPIC" ("TOPIC_NAME","DESCRIPTION") values ('Databases','Databases
are an essential part of modern computing. They are used by businesses,
governments, and individuals to store and manage data. Without databases, it would
be impossible to keep track of the vast amounts of data that we generate on a
daily basis.');
```

insert into "TOPIC" ("TOPIC\_NAME","DESCRIPTION") values ('Web Developing','This
includes designing the layout of the website, coding the functionality, and adding
content. Web development can be a complex and challenging process, but it can also
be very rewarding.');

```
insert into "TOPIC" ("TOPIC_NAME","DESCRIPTION") values ('Business
Competition','Business competition can be fierce, but it can also be a driving
force for innovation and efficiency. It can also be a great way for businesses to
learn and grow.');
```

insert into "TOPIC" ("TOPIC\_NAME","DESCRIPTION") values ('Business
Organisations','Business organizations can be small or large, and they can operate
in a variety of industries. They can be for-profit or nonprofit, and they can be
public or private.');

```
insert into "TOPIC" ("TOPIC_NAME","DESCRIPTION") values ('Data Security','Data
security is important for businesses of all sizes, as it can help to protect their
data from a variety of threats, including cyberattacks, human error, and natural
disasters.');
```

insert into "TOPIC" ("TOPIC\_NAME","DESCRIPTION") values ('Strategic
Management','Strategic management is an important process for businesses of all
sizes, as it can help them to achieve their goals and objectives. Strategic
management is an ongoing process, and it is important for businesses to regularly
review and update their strategies.');

```
insert into "TOPIC" ("TOPIC_NAME","DESCRIPTION") values ('E-Business
Management','E-business management is essential for businesses that want to
compete in the global marketplace. By using electronic technologies, businesses
can improve their efficiency, productivity, and customer service.');
```

insert into "TOPIC" ("TOPIC\_NAME","DESCRIPTION") values ('Business
Analytics','Business analytics is a powerful tool that can help businesses to
improve their efficiency, productivity, and profitability. By analyzing data,
businesses can gain insights into their customers, their operations, and their
markets.');

```
insert into "TOPIC" ("TOPIC_NAME","DESCRIPTION") values ('Data
Performance','Businesses can improve their data performance by taking steps to
```

improve the quality, speed, accuracy, and security of their data. By doing so, businesses can ensure that they have the data they need to make informed decisions and achieve their goals.');

```
insert into "TOPIC" ("TOPIC_NAME","DESCRIPTION") values ('International Business','International business is a complex and challenging field, but it can also be very rewarding. By engaging in international business, businesses can access new markets, grow their revenues, and expand their operations.');
```

```
insert into "TOPIC" ("TOPIC_NAME","DESCRIPTION") values ('Other Databases','Other databases are often used for specific purposes, such as storing large amounts of unstructured data or providing high performance for real-time applications.');
```

```
insert into "TOPIC" ("TOPIC_NAME","DESCRIPTION") values ('Small Business','Small businesses are the backbone of the U.S. economy, employing over half of the private workforce. They play an important role in local communities, providing jobs, stimulating economic growth, and supporting local charities. Small businesses are also a source of innovation, creating new products and services that can help improve peoples lives.');
```

```
insert into "TOPIC" ("TOPIC_NAME","DESCRIPTION") values ('Accounting and Finance','Accounting and finance are two closely related fields that are critical for all types of businesses. Accounting is the recording of financial transactions, whereas finance is the management of money. Accounting and finance work together to provide businesses with the information they need to make sound financial decisions.');
```

```
insert into "TOPIC" ("TOPIC_NAME","DESCRIPTION") values ('Data Modelling','Data modeling is used in a wide variety of applications, including database design, software development, and data analysis. Data modelling is a critical component of any data-driven project. Businesses can improve the quality, consistency, and usability of their data by using data modelling. This can result in better decision-making, increased efficiency, and lower costs.');
```

```
insert into "TOPIC" ("TOPIC_NAME","DESCRIPTION") values ('Data Analytics','The process of analysing data to extract meaningful insights is known as data analytics. It identifies patterns, trends, and relationships in data. Data analytics is used in many different applications, such as business intelligence, marketing, and fraud detection.');
```

```
insert into "TOPIC" ("TOPIC_NAME","DESCRIPTION") values ('Business Performance','Business performance measures how well a company is doing. Financial metrics such as revenue, profit, and return on investment are commonly used to assess it. Business performance measures how well a company is doing. Financial metrics such as revenue, profit, and return on investment are commonly used to assess it.');
```

```
/* multiple unique topics have been inserted */
```

## Topic Request

```
insert into "TOPIC_REQUEST" ("STAFF_NO","TOPIC_NAME","REQUEST_DATE") values ('639886','International Business',to_date('2021-12-08T06:09:32Z','YYYY-MM-DD"T"HH24:MI:SS"Z"'));
```

```
insert into "TOPIC_REQUEST" ("STAFF_NO","TOPIC_NAME","REQUEST_DATE") values ('688411','E-Business Management',to_date('2021-12-05T10:05:31Z','YYYY-MM-DD"T"HH24:MI:SS"Z"'));
```



```

insert into "TOPIC_REQUEST" ("STAFF_NO","TOPIC_NAME","REQUEST_DATE") values
('781813','Data Performance',to_date('2021-12-16T03:15:46Z','YYYY-MM-DD"THH24:MI:SS"Z')));
insert into "TOPIC_REQUEST" ("STAFF_NO","TOPIC_NAME","REQUEST_DATE") values
('613095','Accounting and Finance',to_date('2021-12-07T03:37:22Z','YYYY-MM-DD"THH24:MI:SS"Z')));
insert into "TOPIC_REQUEST" ("STAFF_NO","TOPIC_NAME","REQUEST_DATE") values
('781187','Business Performance',to_date('2021-12-20T10:41:25Z','YYYY-MM-DD"THH24:MI:SS"Z')));
insert into "TOPIC_REQUEST" ("STAFF_NO","TOPIC_NAME","REQUEST_DATE") values
('223028','Data Modelling',to_date('2021-12-08T07:32:03Z','YYYY-MM-DD"THH24:MI:SS"Z')));
insert into "TOPIC_REQUEST" ("STAFF_NO","TOPIC_NAME","REQUEST_DATE") values
('745280','Business Modelling',to_date('2021-12-10T12:23:07Z','YYYY-MM-DD"THH24:MI:SS"Z')));
insert into "TOPIC_REQUEST" ("STAFF_NO","TOPIC_NAME","REQUEST_DATE") values
('163163','Business Analytics',to_date('2021-12-30T00:01:50Z','YYYY-MM-DD"THH24:MI:SS"Z')));
insert into "TOPIC_REQUEST" ("STAFF_NO","TOPIC_NAME","REQUEST_DATE") values
('634069','Entrepreneurship',to_date('2022-01-04T18:00:57Z','YYYY-MM-DD"THH24:MI:SS"Z')));
insert into "TOPIC_REQUEST" ("STAFF_NO","TOPIC_NAME","REQUEST_DATE") values
('781813','Databases',to_date('2021-12-17T21:53:24Z','YYYY-MM-DD"THH24:MI:SS"Z')));
insert into "TOPIC_REQUEST" ("STAFF_NO","TOPIC_NAME","REQUEST_DATE") values
('234860','Data Analytics',to_date('2021-12-28T18:27:52Z','YYYY-MM-DD"THH24:MI:SS"Z')));
insert into "TOPIC_REQUEST" ("STAFF_NO","TOPIC_NAME","REQUEST_DATE") values
('212769','E - Commerce',to_date('2021-12-16T15:34:00Z','YYYY-MM-DD"THH24:MI:SS"Z')));
insert into "TOPIC_REQUEST" ("STAFF_NO","TOPIC_NAME","REQUEST_DATE") values
('781813','Web Developing',to_date('2021-12-20T10:52:26Z','YYYY-MM-DD"THH24:MI:SS"Z')));
insert into "TOPIC_REQUEST" ("STAFF_NO","TOPIC_NAME","REQUEST_DATE") values
('482021','Business Organisations',to_date('2021-12-07T14:36:02Z','YYYY-MM-DD"THH24:MI:SS"Z')));
insert into "TOPIC_REQUEST" ("STAFF_NO","TOPIC_NAME","REQUEST_DATE") values
('255827','Business Competition',to_date('2021-12-06T16:29:22Z','YYYY-MM-DD"THH24:MI:SS"Z')));
insert into "TOPIC_REQUEST" ("STAFF_NO","TOPIC_NAME","REQUEST_DATE") values
('371072','Strategic Management',to_date('2021-12-17T08:11:26Z','YYYY-MM-DD"THH24:MI:SS"Z')));
insert into "TOPIC_REQUEST" ("STAFF_NO","TOPIC_NAME","REQUEST_DATE") values
('273170','Data Security',to_date('2021-12-27T13:41:28Z','YYYY-MM-DD"THH24:MI:SS"Z')));
insert into "TOPIC_REQUEST" ("STAFF_NO","TOPIC_NAME","REQUEST_DATE") values
('163163','Small Business',to_date('2021-12-14T06:53:58Z','YYYY-MM-DD"THH24:MI:SS"Z')));

```

```

insert into "TOPIC_REQUEST" ("STAFF_NO","TOPIC_NAME","REQUEST_DATE") values
('961696','Other Databases',to_date('2022-01-19T15:48:11Z','YYYY-MM-DD"T"HH24:MI:SS"Z"'));
insert into "TOPIC_REQUEST" ("STAFF_NO","TOPIC_NAME","REQUEST_DATE") values
('863499','International Business',to_date('2021-12-30T11:28:47Z','YYYY-MM-DD"T"HH24:MI:SS"Z"'));
insert into "TOPIC_REQUEST" ("STAFF_NO","TOPIC_NAME","REQUEST_DATE") values
('163163','E-Business Management',to_date('2021-12-29T17:09:08Z','YYYY-MM-DD"T"HH24:MI:SS"Z"'));
insert into "TOPIC_REQUEST" ("STAFF_NO","TOPIC_NAME","REQUEST_DATE") values
('761646','Data Performance',to_date('2021-12-10T09:15:10Z','YYYY-MM-DD"T"HH24:MI:SS"Z"'));
insert into "TOPIC_REQUEST" ("STAFF_NO","TOPIC_NAME","REQUEST_DATE") values
('456284','Accounting and Finance',to_date('2022-01-22T06:17:14Z','YYYY-MM-DD"T"HH24:MI:SS"Z"'));
insert into "TOPIC_REQUEST" ("STAFF_NO","TOPIC_NAME","REQUEST_DATE") values
('751112','Business Performance',to_date('2021-12-08T19:24:01Z','YYYY-MM-DD"T"HH24:MI:SS"Z"'));
insert into "TOPIC_REQUEST" ("STAFF_NO","TOPIC_NAME","REQUEST_DATE") values
('989284','Data Modelling',to_date('2021-12-30T09:30:33Z','YYYY-MM-DD"T"HH24:MI:SS"Z"'));
insert into "TOPIC_REQUEST" ("STAFF_NO","TOPIC_NAME","REQUEST_DATE") values
('940380','Business Modelling',to_date('2021-12-14T05:40:09Z','YYYY-MM-DD"T"HH24:MI:SS"Z"'));
insert into "TOPIC_REQUEST" ("STAFF_NO","TOPIC_NAME","REQUEST_DATE") values
('532317','Business Analytics',to_date('2022-01-05T03:46:34Z','YYYY-MM-DD"T"HH24:MI:SS"Z"'));
/* multiple topic request have been inserted. Some multiples of staff_no with
different dates so entity integrity remains */

```

## Company Staff Contact

```

insert into "COMPANY_STAFF_CONTACT"
("DATE_OF_CONTACT","REASON_FOR_CONTACT","STAFF_NO","COMPANY_NO") values
(to_date('2022-09-19T15:48:06Z','YYYY-MM-DD"T"HH24:MI:SS"Z"'),'Ornatus Facilis Cum
Et Saepe Ancillae Sed Ea Id Clita Philos.','751112','432459');
insert into "COMPANY_STAFF_CONTACT"
("DATE_OF_CONTACT","REASON_FOR_CONTACT","STAFF_NO","COMPANY_NO") values
(to_date('2021-03-23T16:36:27Z','YYYY-MM-DD"T"HH24:MI:SS"Z"'),'Astidii
Complectitur Vis Soluta Aeterno Virtute No Ea Dic.','751112','432459');
insert into "COMPANY_STAFF_CONTACT"
("DATE_OF_CONTACT","REASON_FOR_CONTACT","STAFF_NO","COMPANY_NO") values
(to_date('2021-10-02T03:53:05Z','YYYY-MM-DD"T"HH24:MI:SS"Z"'),'I Recusabo
Mnesarchum Cu Vero Detracto Nominati Mel Ad Simul.','916993','541715');
insert into "COMPANY_STAFF_CONTACT"
("DATE_OF_CONTACT","REASON_FOR_CONTACT","STAFF_NO","COMPANY_NO") values
(to_date('2022-08-22T06:40:17Z','YYYY-MM-DD"T"HH24:MI:SS"Z"'),'Unt Antiopam Te Pro
Ei Malorum Postulant Ullamcorper Nec.','916993','541715');

```



```

insert into "COMPANY_STAFF_CONTACT"
("DATE_OF_CONTACT","REASON_FOR_CONTACT","STAFF_NO","COMPANY_NO") values
(to_date('2023-04-17T04:58:22Z','YYYY-MM-DD"THH24:MI:SS"Z"'),'O Deleniti
Posidonium Ad Melquo Eros Senserit Ut Pro No.','207275','856588');
insert into "COMPANY_STAFF_CONTACT"
("DATE_OF_CONTACT","REASON_FOR_CONTACT","STAFF_NO","COMPANY_NO") values
(to_date('2021-01-31T12:26:44Z','YYYY-MM-DD"THH24:MI:SS"Z"'),'Int At Per In Sale
Affert Adversarium Et Eros Eleifend Refe.','419760','382736');
insert into "COMPANY_STAFF_CONTACT"
("DATE_OF_CONTACT","REASON_FOR_CONTACT","STAFF_NO","COMPANY_NO") values
(to_date('2021-11-27T20:00:36Z','YYYY-MM-DD"THH24:MI:SS"Z"'),'Re Legendos Ex Has
Sed Clita Epicuri Voluptaria Etsea Aeq.','725976','918966');
insert into "COMPANY_STAFF_CONTACT"
("DATE_OF_CONTACT","REASON_FOR_CONTACT","STAFF_NO","COMPANY_NO") values
(to_date('2022-06-15T11:57:14Z','YYYY-MM-DD"THH24:MI:SS"Z"'),'Rrentur Vix Utroque
Epicuri Placerat Ei Ius Eos At Nominav.','417738','411516');
insert into "COMPANY_STAFF_CONTACT"
("DATE_OF_CONTACT","REASON_FOR_CONTACT","STAFF_NO","COMPANY_NO") values
(to_date('2021-03-19T05:47:45Z','YYYY-MM-DD"THH24:MI:SS"Z"'),'In Vocent
Incorrupte Mea An Partem Vulputate Sadipscing Me.','299153','123456');
insert into "COMPANY_STAFF_CONTACT"
("DATE_OF_CONTACT","REASON_FOR_CONTACT","STAFF_NO","COMPANY_NO") values
(to_date('2021-12-30T15:01:31Z','YYYY-MM-DD"THH24:MI:SS"Z"'),'Sum Salutandi
Reformidans Mel Ferri Possim Argumentum Ei.','456715','729704');
insert into "COMPANY_STAFF_CONTACT"
("DATE_OF_CONTACT","REASON_FOR_CONTACT","STAFF_NO","COMPANY_NO") values
(to_date('2021-03-30T18:28:34Z','YYYY-MM-DD"THH24:MI:SS"Z"'),'M Vocent Fabulaset
Tantas Sanctus Incorrupte Cum Ne Est.','175926','389669');
insert into "COMPANY_STAFF_CONTACT"
("DATE_OF_CONTACT","REASON_FOR_CONTACT","STAFF_NO","COMPANY_NO") values
(to_date('2023-01-26T22:43:26Z','YYYY-MM-DD"THH24:MI:SS"Z"'),'Ophia Vix Cu Vix
Facer Affert Impedit Cum Vero Idque Incider.','311853','593425');
insert into "COMPANY_STAFF_CONTACT"
("DATE_OF_CONTACT","REASON_FOR_CONTACT","STAFF_NO","COMPANY_NO") values
(to_date('2022-06-28T13:45:25Z','YYYY-MM-DD"THH24:MI:SS"Z"'),'T Utamur Sensibus
An Ex Solet Iuvaret Delectus His Mea Ex S.','284624','381944');
insert into "COMPANY_STAFF_CONTACT"
("DATE_OF_CONTACT","REASON_FOR_CONTACT","STAFF_NO","COMPANY_NO") values
(to_date('2022-11-15T21:01:56Z','YYYY-MM-DD"THH24:MI:SS"Z"'),'Modum Scaevola Mel
Eu Duo Erat Mucius Graeci Sale Minim Rec.','234860','703884');
/* multiple contacts have been inserted. Multiple from the same staff and same
company but with different dates */

```

## Live Project

```

insert into "LIVE_PROJECT"
("STAFF_NO","PROJECT_NO","COMPANY_NO","TITLE","DESCRIPTION","START_DATE","END_DATE",
"OUTCOME") values ('118356',554171,'500831','Credit Intermediation and
Rela','Industries in the Credit Intermediation and Related Activities subsector

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group establishments that (1) lend funds raised from depositors; (2) lend funds
raised from credit market borrowing; or (3) facilitate the lending of funds or
issuance of credit',to_date('2022-03-05T04:16:53Z','YYYY-MM-
DD"T"HH24:MI:SS"Z"'),to_date('2022-05-10T02:09:15Z','YYYY-MM-
DD"T"HH24:MI:SS"Z"','Good'));
insert into "LIVE_PROJECT"
("STAFF_NO","PROJECT_NO","COMPANY_NO","TITLE","DESCRIPTION","START_DATE","END_DATE
","OUTCOME") values ('212769',397966,'593425','Couriers and
Messengers','Industries in the Couriers and Messengers subsector provide
intercity, local, and/or international delivery of parcels and documents
(including express delivery services) without operating under a universal service
obligation. These articles may ori',to_date('2022-03-07T04:27:41Z','YYYY-MM-
DD"T"HH24:MI:SS"Z"'),to_date('2022-05-13T06:06:29Z','YYYY-MM-
DD"T"HH24:MI:SS"Z"','Okay'));
insert into "LIVE_PROJECT"
("STAFF_NO","PROJECT_NO","COMPANY_NO","TITLE","DESCRIPTION","START_DATE","END_DATE
") values ('707610',350259,'123456','Securities, Commodity Contract','Industries
in the Securities, Commodity Contracts, and Other Financial Investments and
Related Activities subsector group establishments that are primarily engaged in
one of the following: (1) underwriting securities issues and/or making markets for
',to_date('2022-03-01T13:51:12Z','YYYY-MM-DD"T"HH24:MI:SS"Z"'),to_date('2022-05-
15T01:15:52Z','YYYY-MM-DD"T"HH24:MI:SS"Z"'));
insert into "LIVE_PROJECT"
("STAFF_NO","PROJECT_NO","COMPANY_NO","TITLE","DESCRIPTION","START_DATE","END_DATE
") values ('456715',489471,'262990','Credit Intermediation and Rela','Industries
in the Credit Intermediation and Related Activities subsector group establishments
that (1) lend funds raised from depositors; (2) lend funds raised from credit
market borrowing; or (3) facilitate the lending of funds or issuance of
credit',to_date('2023-01-01T19:09:11Z','YYYY-MM-
DD"T"HH24:MI:SS"Z"'),to_date('2023-03-13T03:33:59Z','YYYY-MM-
DD"T"HH24:MI:SS"Z"'));
insert into "LIVE_PROJECT"
("STAFF_NO","PROJECT_NO","COMPANY_NO","TITLE","DESCRIPTION","START_DATE","END_DATE
") values ('781813',127105,'382736','Couriers and Messengers','Industries in the
Couriers and Messengers subsector provide intercity, local, and/or international
delivery of parcels and documents (including express delivery services) without
operating under a universal service obligation. These articles may
ori',to_date('2023-01-06T19:26:26Z','YYYY-MM-DD"T"HH24:MI:SS"Z"'),to_date('2023-
03-09T10:07:54Z','YYYY-MM-DD"T"HH24:MI:SS"Z"'));
insert into "LIVE_PROJECT"
("STAFF_NO","PROJECT_NO","COMPANY_NO","TITLE","DESCRIPTION","START_DATE","END_DATE
") values ('948934',756845,'703884','Securities, Commodity Contract','Industries
in the Securities, Commodity Contracts, and Other Financial Investments and
Related Activities subsector group establishments that are primarily engaged in
one of the following: (1) underwriting securities issues and/or making markets for
',to_date('2023-01-01T23:55:57Z','YYYY-MM-DD"T"HH24:MI:SS"Z"'),to_date('2023-03-
14T18:05:16Z','YYYY-MM-DD"T"HH24:MI:SS"Z"'));

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insert into "LIVE_PROJECT"
("STAFF_NO","PROJECT_NO","COMPANY_NO","TITLE","DESCRIPTION","START_DATE","END_DATE")
values ('948934',177081,'703884','Securities, Commodity Contract','Industries in the Securities, Commodity Contracts, and Other Financial Investments and Related Activities subsector group establishments that are primarily engaged in one of the following: (1) underwriting securities issues and/or making markets for ',to_date('2023-12-10T02:46:01Z','YYYY-MM-DD"T"HH24:MI:SS"Z"'),to_date('2023-01-20T16:15:34Z','YYYY-MM-DD"T"HH24:MI:SS"Z"'));
insert into "LIVE_PROJECT"
("STAFF_NO","PROJECT_NO","COMPANY_NO","TITLE","DESCRIPTION","START_DATE","END_DATE")
values ('909359',736116,'123456','Credit Intermediation and Rela','Industries in the Credit Intermediation and Related Activities subsector group establishments that (1) lend funds raised from depositors; (2) lend funds raised from credit market borrowing; or (3) facilitate the lending of funds or issuance of credit',to_date('2022-12-11T04:51:00Z','YYYY-MM-DD"T"HH24:MI:SS"Z"'),to_date('2023-01-10T08:12:41Z','YYYY-MM-DD"T"HH24:MI:SS"Z"'));
insert into "LIVE_PROJECT"
("STAFF_NO","PROJECT_NO","COMPANY_NO","TITLE","DESCRIPTION","START_DATE","END_DATE")
values ('639886',332890,'148840','Couriers and Messengers','Industries in the Couriers and Messengers subsector provide intercity, local, and/or international delivery of parcels and documents (including express delivery services) without operating under a universal service obligation. These articles may ori',to_date('2022-12-06T20:42:17Z','YYYY-MM-DD"T"HH24:MI:SS"Z"'),to_date('2023-01-02T00:41:13Z','YYYY-MM-DD"T"HH24:MI:SS"Z"'));
insert into "LIVE_PROJECT"
("STAFF_NO","PROJECT_NO","COMPANY_NO","TITLE","DESCRIPTION","START_DATE","END_DATE")
values ('639886',205259,'148840','Credit Intermediation and Rela','Industries in the Credit Intermediation and Related Activities subsector group establishments that (1) lend funds raised from depositors; (2) lend funds raised from credit market borrowing; or (3) facilitate the lending of funds or issuance of credit',to_date('2022-10-10T00:46:38Z','YYYY-MM-DD"T"HH24:MI:SS"Z"'),to_date('2022-12-13T06:02:05Z','YYYY-MM-DD"T"HH24:MI:SS"Z"'));
insert into "LIVE_PROJECT"
("STAFF_NO","PROJECT_NO","COMPANY_NO","TITLE","DESCRIPTION","START_DATE","END_DATE")
values ('589162',144747,'123456','Couriers and Messengers','Industries in the Couriers and Messengers subsector provide intercity, local, and/or international delivery of parcels and documents (including express delivery services) without operating under a universal service obligation. These articles may ori',to_date('2022-10-15T23:21:07Z','YYYY-MM-DD"T"HH24:MI:SS"Z"'),to_date('2022-12-14T13:41:31Z','YYYY-MM-DD"T"HH24:MI:SS"Z"'));
insert into "LIVE_PROJECT"
("STAFF_NO","PROJECT_NO","COMPANY_NO","TITLE","DESCRIPTION","START_DATE","END_DATE")
values ('301909',698319,'411516','Securities, Commodity Contract','Industries in the Securities, Commodity Contracts, and Other Financial Investments and Related Activities subsector group establishments that are primarily engaged in one of the following: (1) underwriting securities issues and/or making markets for

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',to_date('2022-10-19T05:32:38Z','YYYY-MM-DD"T"HH24:MI:SS"Z"'),to_date('2022-12-
03T13:39:55Z','YYYY-MM-DD"T"HH24:MI:SS"Z"'));
/* multiple live projects have been inserted. Multiple with the same
company_no and staff_no */

```

## Guest Lecturer

```

insert into "GUEST_LLECTURER"
("LECTURER_NO","NAME","PHONE_NUMBER","EMAIL","COMPANY_NO") values
(596114,'Bateman, Florance',75834219766,'Florance.Bateman@internalmail','315658');
insert into "GUEST_LLECTURER"
("LECTURER_NO","NAME","PHONE_NUMBER","EMAIL","COMPANY_NO") values
(870121,'Grimstead, Teisha',73101221798,'Teisha.Grimstead@internalmail','388725');
insert into "GUEST_LLECTURER"
("LECTURER_NO","NAME","PHONE_NUMBER","EMAIL","COMPANY_NO") values
(475003,'Temores, Eustolia',78302702111,'Eustolia.Temores@internalmail','703884');
insert into "GUEST_LLECTURER"
("LECTURER_NO","NAME","PHONE_NUMBER","EMAIL","COMPANY_NO") values (313376,'Gervin,
Chet',70876492144,'Chet.Gervin@internalmail','148840');
insert into "GUEST_LLECTURER"
("LECTURER_NO","NAME","PHONE_NUMBER","EMAIL","COMPANY_NO") values (933535,'Sakoda,
Angel',77887204598,'Angel.Sakoda@internalmail','757374');
insert into "GUEST_LLECTURER"
("LECTURER_NO","NAME","PHONE_NUMBER","EMAIL","COMPANY_NO") values
(379444,'Koschnitzki,
Nelson',76477598082,'Nelson.Koschnitzki@internalmail','389669');
insert into "GUEST_LLECTURER"
("LECTURER_NO","NAME","PHONE_NUMBER","EMAIL","COMPANY_NO") values
(848779,'Pecatoste, Jonell',79315885260,'Jonell.Pecatoste@internalmail','413720');
insert into "GUEST_LLECTURER"
("LECTURER_NO","NAME","PHONE_NUMBER","EMAIL","COMPANY_NO") values
(295785,'Paczkowski, Reyes',78888704079,'Reyes.Paczkowski@internalmail','664172');
insert into "GUEST_LLECTURER"
("LECTURER_NO","NAME","PHONE_NUMBER","EMAIL","COMPANY_NO") values (366399,'Flook,
Sarah',76741133828,'Sarah.Flook@internalmail','714398');
insert into "GUEST_LLECTURER"
("LECTURER_NO","NAME","PHONE_NUMBER","EMAIL","COMPANY_NO") values (182471,'Dardar,
Ami',72581595964,'Ami.Dardar@internalmail','801345');
insert into "GUEST_LLECTURER"
("LECTURER_NO","NAME","PHONE_NUMBER","EMAIL","COMPANY_NO") values
(608911,'Perrine, Donna',70266548623,'Donna.Perrine@internalmail','936685');
insert into "GUEST_LLECTURER"
("LECTURER_NO","NAME","PHONE_NUMBER","EMAIL","COMPANY_NO") values (152702,'Loera,
Alex',76183489645,'Alex.Loera@internalmail','223383');
insert into "GUEST_LLECTURER"
("LECTURER_NO","NAME","PHONE_NUMBER","EMAIL","COMPANY_NO") values
(726929,'Williams, James',72734902485,'James.Williams@internalmail','382736');

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insert into "GUEST_LECTURER"
("LECTURER_NO", "NAME", "PHONE_NUMBER", "EMAIL", "COMPANY_NO") values (133245, 'Burd,
Haywood', 71351398154, 'Haywood.Burd@internalmail', '432459');
insert into "GUEST_LECTURER"
("LECTURER_NO", "NAME", "PHONE_NUMBER", "EMAIL", "COMPANY_NO") values (342320, 'Nored,
Luigi', 72056678347, 'Luigi.Nored@internalmail', '614577');
insert into "GUEST_LECTURER"
("LECTURER_NO", "NAME", "PHONE_NUMBER", "EMAIL", "COMPANY_NO") values (834246, 'Wilson,
Patricia', 78258418546, 'Patricia.Wilson@internalmail', '812149');
insert into "GUEST_LECTURER"
("LECTURER_NO", "NAME", "PHONE_NUMBER", "EMAIL", "COMPANY_NO") values
(163953, 'Moncure, Elaine', 70499175458, 'Elaine.Moncure@internalmail', '411516');
insert into "GUEST_LECTURER"
("LECTURER_NO", "NAME", "PHONE_NUMBER", "EMAIL", "COMPANY_NO") values (297989, 'Strini,
Enoch', 75869686685, 'Enoch.Strini@internalmail', '493573');
insert into "GUEST_LECTURER"
("LECTURER_NO", "NAME", "PHONE_NUMBER", "EMAIL", "COMPANY_NO") values (957897, 'Genco,
Brandy', 72925456481, 'Brandy.Genco@internalmail', '229452');
insert into "GUEST_LECTURER"
("LECTURER_NO", "NAME", "PHONE_NUMBER", "EMAIL", "COMPANY_NO") values
(319350, 'Carreon, Angelo', 72959518733, 'Angelo.Carreon@internalmail', '526197');
insert into "GUEST_LECTURER"
("LECTURER_NO", "NAME", "PHONE_NUMBER", "EMAIL", "COMPANY_NO") values
(579321, 'Shackley, Lloyd', 70070832738, 'Lloyd.Shackley@internalmail', '500831');
insert into "GUEST_LECTURER"
("LECTURER_NO", "NAME", "PHONE_NUMBER", "EMAIL", "COMPANY_NO") values
(728308, 'Bekerman, Rudolph', 78666299375, 'Rudolph.Bekerman@internalmail', '381944');
insert into "GUEST_LECTURER"
("LECTURER_NO", "NAME", "PHONE_NUMBER", "EMAIL", "COMPANY_NO") values
(532946, 'Niskala, Jacklyn', 75804978222, 'Jacklyn.Niskala@internalmail', '515217');
insert into "GUEST_LECTURER"
("LECTURER_NO", "NAME", "PHONE_NUMBER", "EMAIL", "COMPANY_NO") values
(270132, 'Binette, Alex', 75641497078, 'Alex.Binette@internalmail', '409868');
insert into "GUEST_LECTURER"
("LECTURER_NO", "NAME", "PHONE_NUMBER", "EMAIL", "COMPANY_NO") values
(748582, 'Girardi, Julien', 77516040012, 'Julien.Girardi@internalmail', '856588');
/* multiple guest lectures have been inserted each with a company_no */

```

## Lecture Workshop

```

insert into "LECTURE_WORKSHOP"
("LECTURE_NO", "LECTURE_DATE", "TOPIC_NAME", "LECTURER_NO", "ORGANISER_STAFF_NO")
values (572249, to_date('2023-07-20 T20:34:44Z', 'YYYY-MM-DD
"T"HH24:MI:SS"Z"), 'Test', '606704', '252688');
insert into "LECTURE_WORKSHOP"
("LECTURE_NO", "LECTURE_DATE", "TOPIC_NAME", "LECTURER_NO", "ORGANISER_STAFF_NO")
values (137421, to_date('2023-11-03 T13:18:53Z', 'YYYY-MM-DD
"T"HH24:MI:SS"Z"), 'Small Business', '515681', '320089');

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```

insert into "LECTURE_WORKSHOP"
("LECTURE_NO","LECTURE_DATE","TOPIC_NAME","LECTURER_NO","ORGANISER_STAFF_NO")
values (759905,to_date('2023-05-26 T20:09:42Z','YYYY-MM-DD
"THH24:MI:SS"Z'),'Business Analytics','130392','745280');
insert into "LECTURE_WORKSHOP"
("LECTURE_NO","LECTURE_DATE","TOPIC_NAME","LECTURER_NO","ORGANISER_STAFF_NO")
values (380180,to_date('2023-12-19 T07:20:07Z','YYYY-MM-DD
"THH24:MI:SS"Z'),'International Business','447544','501511');
insert into "LECTURE_WORKSHOP"
("LECTURE_NO","LECTURE_DATE","TOPIC_NAME","LECTURER_NO","ORGANISER_STAFF_NO")
values (599410,to_date('2023-07-10 T23:34:10Z','YYYY-MM-DD
"THH24:MI:SS"Z'),'Data Performance','988512','532317');
insert into "LECTURE_WORKSHOP"
("LECTURE_NO","LECTURE_DATE","TOPIC_NAME","LECTURER_NO","ORGANISER_STAFF_NO")
values (457731,to_date('2023-09-17 T01:17:55Z','YYYY-MM-DD "THH24:MI:SS"Z'),'E -
Commerce','572086','316164');
insert into "LECTURE_WORKSHOP"
("LECTURE_NO","LECTURE_DATE","TOPIC_NAME","LECTURER_NO","ORGANISER_STAFF_NO")
values (249935,to_date('2023-12-03 T21:57:44Z','YYYY-MM-DD
"THH24:MI:SS"Z'),'Entrepreneurship','123455','310075');
insert into "LECTURE_WORKSHOP"
("LECTURE_NO","LECTURE_DATE","TOPIC_NAME","LECTURER_NO","ORGANISER_STAFF_NO")
values (248432,to_date('2023-12-15 T16:07:00Z','YYYY-MM-DD
"THH24:MI:SS"Z'),'Strategic Management','123456','725976');
insert into "LECTURE_WORKSHOP"
("LECTURE_NO","LECTURE_DATE","TOPIC_NAME","LECTURER_NO","ORGANISER_STAFF_NO")
values (779000,to_date('2023-10-02 T03:51:17Z','YYYY-MM-DD
"THH24:MI:SS"Z'),'Data Security','959438','397698');
insert into "LECTURE_WORKSHOP"
("LECTURE_NO","LECTURE_DATE","TOPIC_NAME","LECTURER_NO","ORGANISER_STAFF_NO")
values (641790,to_date('2023-11-26 T08:31:00Z','YYYY-MM-DD
"THH24:MI:SS"Z'),'Data Modelling','431505','118356');
insert into "LECTURE_WORKSHOP"
("LECTURE_NO","LECTURE_DATE","TOPIC_NAME","LECTURER_NO","ORGANISER_STAFF_NO")
values (357223,to_date('2023-06-06 T10:27:32Z','YYYY-MM-DD
"THH24:MI:SS"Z'),'Other Databases','274651','538945');
insert into "LECTURE_WORKSHOP"
("LECTURE_NO","LECTURE_DATE","TOPIC_NAME","LECTURER_NO","ORGANISER_STAFF_NO")
values (980950,to_date('2023-11-03 T07:02:29Z','YYYY-MM-DD
"THH24:MI:SS"Z'),'Business Organisations','712459','175926');
insert into "LECTURE_WORKSHOP"
("LECTURE_NO","LECTURE_DATE","TOPIC_NAME","LECTURER_NO","ORGANISER_STAFF_NO")
values (975978,to_date('2023-08-26 T03:52:33Z','YYYY-MM-DD
"THH24:MI:SS"Z'),'Accounting and Finance','228261','269792');
insert into "LECTURE_WORKSHOP"
("LECTURE_NO","LECTURE_DATE","TOPIC_NAME","LECTURER_NO","ORGANISER_STAFF_NO")
values (178146,to_date('2023-08-06 T23:30:14Z','YYYY-MM-DD
"THH24:MI:SS"Z'),'Business Competition','527699','916993');

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insert into "LECTURE_WORKSHOP"
("LECTURE_NO","LECTURE_DATE","TOPIC_NAME","LECTURER_NO","ORGANISER_STAFF_NO")
values (286269,to_date('2023-06-11 T00:44:06Z','YYYY-MM-DD
"THH24:MI:SS"Z'), 'Databases', '773338', '417738');
insert into "LECTURE_WORKSHOP"
("LECTURE_NO","LECTURE_DATE","TOPIC_NAME","LECTURER_NO","ORGANISER_STAFF_NO")
values (784584,to_date('2023-09-14 T09:52:12Z','YYYY-MM-DD "THH24:MI:SS"Z'), 'E-
Business Management', '292827', '411718');
insert into "LECTURE_WORKSHOP"
("LECTURE_NO","LECTURE_DATE","TOPIC_NAME","LECTURER_NO","ORGANISER_STAFF_NO")
values (686603,to_date('2023-07-14 T04:54:16Z','YYYY-MM-DD "THH24:MI:SS"Z'), 'Web
Developing', '711820', '589162');
insert into "LECTURE_WORKSHOP"
("LECTURE_NO","LECTURE_DATE","TOPIC_NAME","LECTURER_NO","ORGANISER_STAFF_NO")
values (896735,to_date('2023-12-05 T10:55:45Z','YYYY-MM-DD
"THH24:MI:SS"Z'), 'Business Modelling', '680055', '909359');
insert into "LECTURE_WORKSHOP"
("LECTURE_NO","LECTURE_DATE","TOPIC_NAME","LECTURER_NO","ORGANISER_STAFF_NO")
values (378660,to_date('2023-11-22 T21:33:43Z','YYYY-MM-DD
"THH24:MI:SS"Z'), 'Test', '264308', '473962');
insert into "LECTURE_WORKSHOP"
("LECTURE_NO","LECTURE_DATE","TOPIC_NAME","LECTURER_NO","ORGANISER_STAFF_NO")
values (403259,to_date('2023-06-19 T10:20:02Z','YYYY-MM-DD
"THH24:MI:SS"Z'), 'Small Business', '999782', '545361');
insert into "LECTURE_WORKSHOP"
("LECTURE_NO","LECTURE_DATE","TOPIC_NAME","LECTURER_NO","ORGANISER_STAFF_NO")
values (440294,to_date('2023-06-16 T01:35:43Z','YYYY-MM-DD
"THH24:MI:SS"Z'), 'Business Analytics', '392662', '289723');
insert into "LECTURE_WORKSHOP"
("LECTURE_NO","LECTURE_DATE","TOPIC_NAME","LECTURER_NO","ORGANISER_STAFF_NO")
values (408789,to_date('2023-08-23 T09:04:54Z','YYYY-MM-DD
"THH24:MI:SS"Z'), 'International Business', '574250', '273170');
insert into "LECTURE_WORKSHOP"
("LECTURE_NO","LECTURE_DATE","TOPIC_NAME","LECTURER_NO","ORGANISER_STAFF_NO")
values (751051,to_date('2023-09-18 T18:07:29Z','YYYY-MM-DD
"THH24:MI:SS"Z'), 'Data Performance', '757929', '345883');
insert into "LECTURE_WORKSHOP"
("LECTURE_NO","LECTURE_DATE","TOPIC_NAME","LECTURER_NO","ORGANISER_STAFF_NO")
values (489888,to_date('2023-06-19 T19:46:02Z','YYYY-MM-DD "THH24:MI:SS"Z'), 'E -
Commerce', '463037', '751112');
insert into "LECTURE_WORKSHOP"
("LECTURE_NO","LECTURE_DATE","TOPIC_NAME","LECTURER_NO","ORGANISER_STAFF_NO")
values (392331,to_date('2023-10-02 T03:38:04Z','YYYY-MM-DD
"THH24:MI:SS"Z'), 'Entrepreneurship', '762200', '388330');
insert into "LECTURE_WORKSHOP"
("LECTURE_NO","LECTURE_DATE","TOPIC_NAME","LECTURER_NO","ORGANISER_STAFF_NO")
values (353184,to_date('1999-01-06 T11:13:34Z','YYYY-MM-DD
"THH24:MI:SS"Z'), 'Data Performance', '515681', '163163');

```

```

insert into "LECTURE_WORKSHOP"
("LECTURE_NO","LECTURE_DATE","TOPIC_NAME","LECTURER_NO","NUMBER_OF_ATTENDEES","ORG
ANISER_STAFF_NO") values (586633,to_date('2015-10-15 T21:28:56Z','YYYY-MM-DD
"THH24:MI:SS"Z'),'Business Analytics','431505',33,'503011');
insert into "LECTURE_WORKSHOP"
("LECTURE_NO","LECTURE_DATE","TOPIC_NAME","LECTURER_NO","NUMBER_OF_ATTENDEES","ORG
ANISER_STAFF_NO") values (713916,to_date('1958-07-02 T07:23:04Z','YYYY-MM-DD
"THH24:MI:SS"Z'),'Business Modelling','130392',39,'289723');
insert into "LECTURE_WORKSHOP"
("LECTURE_NO","LECTURE_DATE","TOPIC_NAME","LECTURER_NO","NUMBER_OF_ATTENDEES","ORG
ANISER_STAFF_NO") values (614486,to_date('1932-09-15 T14:53:41Z','YYYY-MM-DD
"THH24:MI:SS"Z'),'Entrepreneurship','999782',31,'417738');
insert into "LECTURE_WORKSHOP"
("LECTURE_NO","LECTURE_DATE","TOPIC_NAME","LECTURER_NO","NUMBER_OF_ATTENDEES","ORG
ANISER_STAFF_NO") values (698318,to_date('2020-08-29 T00:19:28Z','YYYY-MM-DD
"THH24:MI:SS"Z'),'Accounting and Finance','757929',26,'839226');
insert into "LECTURE_WORKSHOP"
("LECTURE_NO","LECTURE_DATE","TOPIC_NAME","LECTURER_NO","NUMBER_OF_ATTENDEES","ORG
ANISER_STAFF_NO") values (540781,to_date('1996-11-16 T22:37:18Z','YYYY-MM-DD
"THH24:MI:SS"Z'),'Data Security','527699',28,'212769');
insert into "LECTURE_WORKSHOP"
("LECTURE_NO","LECTURE_DATE","TOPIC_NAME","LECTURER_NO","NUMBER_OF_ATTENDEES","ORG
ANISER_STAFF_NO") values (296626,to_date('1976-07-24 T15:24:29Z','YYYY-MM-DD
"THH24:MI:SS"Z'),'Test','762200',26,'989284');
insert into "LECTURE_WORKSHOP"
("LECTURE_NO","LECTURE_DATE","TOPIC_NAME","LECTURER_NO","NUMBER_OF_ATTENDEES","ORG
ANISER_STAFF_NO") values (250250,to_date('1994-07-07 T04:25:06Z','YYYY-MM-DD
"THH24:MI:SS"Z'),'E - Commerce','959438',20,'143699');
insert into "LECTURE_WORKSHOP"
("LECTURE_NO","LECTURE_DATE","TOPIC_NAME","LECTURER_NO","NUMBER_OF_ATTENDEES","ORG
ANISER_STAFF_NO") values (407097,to_date('1963-09-08 T13:17:07Z','YYYY-MM-DD
"THH24:MI:SS"Z'),'Small Business','606704',39,'882947');
/* multiple lectures have been inserted. Multiple in the past and multiple in
the future */

```

## Placement Supervisor

```

insert into "PLACEMENT_SUPERVISOR"
("SUPERVISOR_NO","COMPANY_NO","NAME","PHONE_NUMBER","EMAIL") values
(488939,'389669','Niskala, Jacklyn',7700328688,'Jacklyn.Niskala@internalmail');
insert into "PLACEMENT_SUPERVISOR"
("SUPERVISOR_NO","COMPANY_NO","NAME","PHONE_NUMBER","EMAIL") values
(701756,'703884','Shortes, Erica',7033514022,'Erica.Shortes@internalmail');
insert into "PLACEMENT_SUPERVISOR"
("SUPERVISOR_NO","COMPANY_NO","NAME","PHONE_NUMBER","EMAIL") values
(790301,'757374','Grimstead, Teisha',7296033113,'Teisha.Grimstead@internalmail');
insert into "PLACEMENT_SUPERVISOR"
("SUPERVISOR_NO","COMPANY_NO","NAME","PHONE_NUMBER","EMAIL") values
(262192,'223383','Schoepfer, Leon',7813827664,'Leon.Schoepfer@internalmail');

```



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insert into "PLACEMENT_SUPERVISOR"
("SUPERVISOR_NO", "COMPANY_NO", "NAME", "PHONE_NUMBER", "EMAIL") values
(717139, '222838', 'Wilson, Patricia', 7172098990, 'Patricia.Wilson@internalmail');
insert into "PLACEMENT_SUPERVISOR"
("SUPERVISOR_NO", "COMPANY_NO", "NAME", "PHONE_NUMBER", "EMAIL") values
(770372, '409868', 'Iannotti, Adeline', 7343969153, 'Adeline.Iannotti@internalmail');
insert into "PLACEMENT_SUPERVISOR"
("SUPERVISOR_NO", "COMPANY_NO", "NAME", "PHONE_NUMBER", "EMAIL") values
(398106, '395950', 'Flook, Sarah', 7163787275, 'Sarah.Flook@internalmail');
insert into "PLACEMENT_SUPERVISOR"
("SUPERVISOR_NO", "COMPANY_NO", "NAME", "PHONE_NUMBER", "EMAIL") values
(288360, '229452', 'Golz, Emmett', 7255206280, 'Emmett.Golz@internalmail');
insert into "PLACEMENT_SUPERVISOR"
("SUPERVISOR_NO", "COMPANY_NO", "NAME", "PHONE_NUMBER", "EMAIL") values
(652748, '148840', 'Temores, Eustolia', 7910675123, 'Eustolia.Temores@internalmail');
insert into "PLACEMENT_SUPERVISOR"
("SUPERVISOR_NO", "COMPANY_NO", "NAME", "PHONE_NUMBER", "EMAIL") values
(917262, '413720', 'Chestand, Casey', 7645498222, 'Casey.Chestand@internalmail');
insert into "PLACEMENT_SUPERVISOR"
("SUPERVISOR_NO", "COMPANY_NO", "NAME", "PHONE_NUMBER", "EMAIL") values
(668557, '941629', 'Koschnitzki,
Nelson', 7432747226, 'Nelson.Koschnitzki@internalmai');
insert into "PLACEMENT_SUPERVISOR"
("SUPERVISOR_NO", "COMPANY_NO", "NAME", "PHONE_NUMBER", "EMAIL") values
(514091, '714398', 'Nored, Luigi', 7529228072, 'Luigi.Nored@internalmail');
insert into "PLACEMENT_SUPERVISOR"
("SUPERVISOR_NO", "COMPANY_NO", "NAME", "PHONE_NUMBER", "EMAIL") values
(634779, '398318', 'Sakoda, Angel', 7809489667, 'Angel.Sakoda@internalmail');
/* multiple placement supervisors have been inserted each with a different
company_no */

```

## Company Placement

```

insert into "COMPANY_PLACEMENT"
("PLACEMENT_NO", "SUPERVISOR_NO", "TITLE", "START_DATE", "END_DATE") values
(831953, '355567', 'Elementary School Teacher', to_date('2021-09-10T16:20:26Z', 'YYYY-MM-DD"T"HH24:MI:SS"Z"'), to_date('2022-09-25T18:32:26Z', 'YYYY-MM-DD"T"HH24:MI:SS"Z"'));
insert into "COMPANY_PLACEMENT"
("PLACEMENT_NO", "SUPERVISOR_NO", "TITLE", "START_DATE", "END_DATE") values
(516341, '164592', 'Auto Shop Teacher', to_date('2021-09-16T10:22:27Z', 'YYYY-MM-DD"T"HH24:MI:SS"Z"'), to_date('2022-09-06T01:01:24Z', 'YYYY-MM-DD"T"HH24:MI:SS"Z"'));
insert into "COMPANY_PLACEMENT"
("PLACEMENT_NO", "SUPERVISOR_NO", "TITLE", "START_DATE", "END_DATE") values
(518907, '757914', 'Chemistry Teacher', to_date('2021-09-11T15:01:24Z', 'YYYY-MM-DD"T"HH24:MI:SS"Z"'), to_date('2022-09-03T00:42:41Z', 'YYYY-MM-DD"T"HH24:MI:SS"Z"'));

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```

insert into "COMPANY_PLACEMENT"
("PLACEMENT_NO","SUPERVISOR_NO","TITLE","START_DATE","END_DATE") values
(699615,'782851','Kindergarten Teacher',to_date('2021-09-28T08:42:13Z','YYYY-MM-DD"T"HH24:MI:SS"Z"'),to_date('2022-09-14T00:53:14Z','YYYY-MM-DD"T"HH24:MI:SS"Z"'));
insert into "COMPANY_PLACEMENT"
("PLACEMENT_NO","SUPERVISOR_NO","TITLE","START_DATE","END_DATE") values
(830899,'202912','Library Science Teacher',to_date('2021-09-17T05:40:17Z','YYYY-MM-DD"T"HH24:MI:SS"Z"'),to_date('2022-09-25T09:32:57Z','YYYY-MM-DD"T"HH24:MI:SS"Z"'));
insert into "COMPANY_PLACEMENT"
("PLACEMENT_NO","SUPERVISOR_NO","TITLE","START_DATE","END_DATE") values
(862783,'123456','A/V Technician',to_date('2021-09-28T23:08:52Z','YYYY-MM-DD"T"HH24:MI:SS"Z"'),to_date('2022-09-10T13:59:29Z','YYYY-MM-DD"T"HH24:MI:SS"Z"'));
insert into "COMPANY_PLACEMENT"
("PLACEMENT_NO","SUPERVISOR_NO","TITLE","START_DATE","END_DATE") values
(370504,'201545','Law Clerk',to_date('2021-09-21T15:05:03Z','YYYY-MM-DD"T"HH24:MI:SS"Z"'),to_date('2022-09-19T18:01:09Z','YYYY-MM-DD"T"HH24:MI:SS"Z"'));
insert into "COMPANY_PLACEMENT"
("PLACEMENT_NO","SUPERVISOR_NO","TITLE","START_DATE","END_DATE") values
(652292,'788146','Middle School Teacher',to_date('2021-09-05T12:15:30Z','YYYY-MM-DD"T"HH24:MI:SS"Z"'),to_date('2022-09-06T06:14:56Z','YYYY-MM-DD"T"HH24:MI:SS"Z"'));
insert into "COMPANY_PLACEMENT"
("PLACEMENT_NO","SUPERVISOR_NO","TITLE","START_DATE","END_DATE") values
(501504,'351912','Substitute Teacher',to_date('2021-09-17T05:26:46Z','YYYY-MM-DD"T"HH24:MI:SS"Z"'),to_date('2022-09-09T08:16:18Z','YYYY-MM-DD"T"HH24:MI:SS"Z"'));
insert into "COMPANY_PLACEMENT"
("PLACEMENT_NO","SUPERVISOR_NO","TITLE","START_DATE","END_DATE") values
(351829,'263774','Broadcast Technician',to_date('2021-09-03T10:40:06Z','YYYY-MM-DD"T"HH24:MI:SS"Z"'),to_date('2022-09-15T06:15:33Z','YYYY-MM-DD"T"HH24:MI:SS"Z"'));
insert into "COMPANY_PLACEMENT"
("PLACEMENT_NO","SUPERVISOR_NO","TITLE","START_DATE","END_DATE") values
(791873,'302225','High School Teacher',to_date('2021-09-23T06:36:58Z','YYYY-MM-DD"T"HH24:MI:SS"Z"'),to_date('2022-09-11T19:31:41Z','YYYY-MM-DD"T"HH24:MI:SS"Z"'));
insert into "COMPANY_PLACEMENT"
("PLACEMENT_NO","SUPERVISOR_NO","TITLE","START_DATE","END_DATE") values
(956803,'189174','Judge',to_date('2021-09-05T10:48:30Z','YYYY-MM-DD"T"HH24:MI:SS"Z"'),to_date('2022-09-08T21:44:59Z','YYYY-MM-DD"T"HH24:MI:SS"Z"'));
insert into "COMPANY_PLACEMENT"
("PLACEMENT_NO","SUPERVISOR_NO","TITLE","START_DATE","END_DATE") values
(372520,'913098','Math Teacher',to_date('2021-09-22T14:34:43Z','YYYY-MM-

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DD"T"HH24:MI:SS"Z"),to_date('2022-09-07T08:14:32Z','YYYY-MM-DD"T"HH24:MI:SS"Z"));
insert into "COMPANY_PLACEMENT"
("PLACEMENT_NO","SUPERVISOR_NO","TITLE","START_DATE","END_DATE") values
(874744,'860979','Communications Specialist',to_date('2021-09-27T05:58:52Z','YYYY-MM-DD"T"HH24:MI:SS"Z"),to_date('2022-09-05T14:11:04Z','YYYY-MM-DD"T"HH24:MI:SS"Z"));
insert into "COMPANY_PLACEMENT"
("PLACEMENT_NO","SUPERVISOR_NO","TITLE","START_DATE","END_DATE") values
(939187,'913098','Law Clerk',to_date('2024-01-01T13:30:42Z','YYYY-MM-DD"T"HH24:MI:SS"Z"),to_date('2024-06-23T11:36:24Z','YYYY-MM-DD"T"HH24:MI:SS"Z"));
insert into "COMPANY_PLACEMENT"
("PLACEMENT_NO","SUPERVISOR_NO","TITLE","START_DATE","END_DATE") values
(765299,'355567','Library Science Teacher',to_date('2024-01-01T04:19:45Z','YYYY-MM-DD"T"HH24:MI:SS"Z"),to_date('2024-07-13T23:49:16Z','YYYY-MM-DD"T"HH24:MI:SS"Z"));
insert into "COMPANY_PLACEMENT"
("PLACEMENT_NO","SUPERVISOR_NO","TITLE","START_DATE","END_DATE") values
(262904,'164592','Chemistry Teacher',to_date('2024-01-01T21:55:19Z','YYYY-MM-DD"T"HH24:MI:SS"Z"),to_date('2024-08-10T09:25:42Z','YYYY-MM-DD"T"HH24:MI:SS"Z"));
insert into "COMPANY_PLACEMENT"
("PLACEMENT_NO","SUPERVISOR_NO","TITLE","START_DATE","END_DATE") values
(265197,'263774','Math Teacher',to_date('2024-01-01T16:10:06Z','YYYY-MM-DD"T"HH24:MI:SS"Z"),to_date('2024-07-15T18:30:31Z','YYYY-MM-DD"T"HH24:MI:SS"Z"));
insert into "COMPANY_PLACEMENT"
("PLACEMENT_NO","SUPERVISOR_NO","TITLE","START_DATE","END_DATE") values
(711717,'860979','Judge',to_date('2024-01-01T23:43:33Z','YYYY-MM-DD"T"HH24:MI:SS"Z"),to_date('2024-08-29T08:27:19Z','YYYY-MM-DD"T"HH24:MI:SS"Z"));
insert into "COMPANY_PLACEMENT"
("PLACEMENT_NO","SUPERVISOR_NO","TITLE","START_DATE","END_DATE") values
(855417,'355567','Library Science Teacher',to_date('2023-05-20T06:09:24Z','YYYY-MM-DD"T"HH24:MI:SS"Z"),to_date('2023-09-14T09:08:38Z','YYYY-MM-DD"T"HH24:MI:SS"Z"));
insert into "COMPANY_PLACEMENT"
("PLACEMENT_NO","SUPERVISOR_NO","TITLE","START_DATE","END_DATE") values
(106273,'202912','Judge',to_date('2023-05-20T09:25:33Z','YYYY-MM-DD"T"HH24:MI:SS"Z"),to_date('2023-08-21T15:01:52Z','YYYY-MM-DD"T"HH24:MI:SS"Z"));
insert into "COMPANY_PLACEMENT"
("PLACEMENT_NO","SUPERVISOR_NO","TITLE","START_DATE","END_DATE") values
(128197,'263774','Law Clerk',to_date('2023-05-20T11:39:20Z','YYYY-MM-DD"T"HH24:MI:SS"Z"),to_date('2023-09-11T11:28:01Z','YYYY-MM-DD"T"HH24:MI:SS"Z"));

```

```

insert into "COMPANY_PLACEMENT"
("PLACEMENT_NO","SUPERVISOR_NO","TITLE","START_DATE","END_DATE") values
(101764,'913098','Chemistry Teacher',to_date('2023-05-20T12:14:45Z','YYYY-MM-DD"T"HH24:MI:SS"Z"'),to_date('2023-07-31T20:35:04Z','YYYY-MM-DD"T"HH24:MI:SS"Z"'));
/* multiple company placements have been added. Multiple in the past, multiple
ongoing, and multiple in the future */

```

### Student on Placement

```

insert into "STUDENT_ON_PLACEMENT" ("STUDENT_NO","PLACEMENT_NO") values
('677338','101764');
insert into "STUDENT_ON_PLACEMENT" ("STUDENT_NO","PLACEMENT_NO") values
('788850','711717');
insert into "STUDENT_ON_PLACEMENT" ("STUDENT_NO","PLACEMENT_NO") values
('910960','478043');
insert into "STUDENT_ON_PLACEMENT" ("STUDENT_NO","PLACEMENT_NO") values
('136157','956803');
insert into "STUDENT_ON_PLACEMENT" ("STUDENT_NO","PLACEMENT_NO") values
('145955','482202');
insert into "STUDENT_ON_PLACEMENT" ("STUDENT_NO","PLACEMENT_NO") values
('402511','213415');
insert into "STUDENT_ON_PLACEMENT" ("STUDENT_NO","PLACEMENT_NO") values
('736488','628794');
insert into "STUDENT_ON_PLACEMENT" ("STUDENT_NO","PLACEMENT_NO") values
('877243','381731');
insert into "STUDENT_ON_PLACEMENT" ("STUDENT_NO","PLACEMENT_NO") values
('650723','842277');
insert into "STUDENT_ON_PLACEMENT" ("STUDENT_NO","PLACEMENT_NO") values
('139479','263853');
insert into "STUDENT_ON_PLACEMENT" ("STUDENT_NO","PLACEMENT_NO") values
('438470','573023');
insert into "STUDENT_ON_PLACEMENT" ("STUDENT_NO","PLACEMENT_NO") values
('355800','327590');
insert into "STUDENT_ON_PLACEMENT" ("STUDENT_NO","PLACEMENT_NO") values
('954173','912244');
/* multiple student on placements have been inserted. Some in the past, some
ongoing, some in the future */

```

### Lecture Attendance

```

insert into "LECTURE_ATTENDANCE" ("STUDENT_NO","LECTURE_NO","ATTENDANCE") values
('677338','217326','Y');
insert into "LECTURE_ATTENDANCE" ("STUDENT_NO","LECTURE_NO","ATTENDANCE") values
('480159','608305','Y');
insert into "LECTURE_ATTENDANCE" ("STUDENT_NO","LECTURE_NO","ATTENDANCE") values
('677338','160395','Y');
insert into "LECTURE_ATTENDANCE" ("STUDENT_NO","LECTURE_NO","ATTENDANCE") values
('487461','205188','Y');

```

```

insert into "LECTURE_ATTENDANCE" ("STUDENT_NO", "LECTURE_NO", "ATTENDANCE") values
('677338', '970312', 'Y');
insert into "LECTURE_ATTENDANCE" ("STUDENT_NO", "LECTURE_NO", "ATTENDANCE") values
('145955', '816362', 'Y');
insert into "LECTURE_ATTENDANCE" ("STUDENT_NO", "LECTURE_NO", "ATTENDANCE") values
('596232', '713963', 'Y');
insert into "LECTURE_ATTENDANCE" ("STUDENT_NO", "LECTURE_NO", "ATTENDANCE") values
('171311', '608305', 'Y');
insert into "LECTURE_ATTENDANCE" ("STUDENT_NO", "LECTURE_NO", "ATTENDANCE") values
('116451', '671308', 'Y');
insert into "LECTURE_ATTENDANCE" ("STUDENT_NO", "LECTURE_NO", "ATTENDANCE") values
('456741', '608305', 'Y');
insert into "LECTURE_ATTENDANCE" ("STUDENT_NO", "LECTURE_NO", "ATTENDANCE") values
('832196', '330385', 'Y');
insert into "LECTURE_ATTENDANCE" ("STUDENT_NO", "LECTURE_NO", "ATTENDANCE") values
('650723', '587599', 'Y');
insert into "LECTURE_ATTENDANCE" ("STUDENT_NO", "LECTURE_NO", "ATTENDANCE") values
('800531', '171469', 'Y');
insert into "LECTURE_ATTENDANCE" ("STUDENT_NO", "LECTURE_NO", "ATTENDANCE") values
('779170', '237878', 'Y');
insert into "LECTURE_ATTENDANCE" ("STUDENT_NO", "LECTURE_NO", "ATTENDANCE") values
('954173', '477557', 'Y');
insert into "LECTURE_ATTENDANCE" ("STUDENT_NO", "LECTURE_NO", "ATTENDANCE") values
('938851', '618048', 'Y');
insert into "LECTURE_ATTENDANCE" ("STUDENT_NO", "LECTURE_NO", "ATTENDANCE") values
('925272', '805129', 'Y');
insert into "LECTURE_ATTENDANCE" ("STUDENT_NO", "LECTURE_NO", "ATTENDANCE") values
('730567', '451705', 'Y');
insert into "LECTURE_ATTENDANCE" ("STUDENT_NO", "LECTURE_NO", "ATTENDANCE") values
('102035', '340070', 'Y');
insert into "LECTURE_ATTENDANCE" ("STUDENT_NO", "LECTURE_NO", "ATTENDANCE") values
('736488', '608305', 'Y');
insert into "LECTURE_ATTENDANCE" ("STUDENT_NO", "LECTURE_NO", "ATTENDANCE") values
('394668', '160395', 'Y');
insert into "LECTURE_ATTENDANCE" ("STUDENT_NO", "LECTURE_NO", "ATTENDANCE") values
('402511', '205188', 'Y');
insert into "LECTURE_ATTENDANCE" ("STUDENT_NO", "LECTURE_NO", "ATTENDANCE") values
('877243', '970312', 'Y');
insert into "LECTURE_ATTENDANCE" ("STUDENT_NO", "LECTURE_NO", "ATTENDANCE") values
('136157', '816362', 'Y');
insert into "LECTURE_ATTENDANCE" ("STUDENT_NO", "LECTURE_NO", "ATTENDANCE") values
('355800', '713963', 'Y');
insert into "LECTURE_ATTENDANCE" ("STUDENT_NO", "LECTURE_NO", "ATTENDANCE") values
('110948', '781929', 'N');
insert into "LECTURE_ATTENDANCE" ("STUDENT_NO", "LECTURE_NO", "ATTENDANCE") values
('934741', '926985', 'N');
insert into "LECTURE_ATTENDANCE" ("STUDENT_NO", "LECTURE_NO", "ATTENDANCE") values
('195697', '898652', 'N');

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```

insert into "LECTURE_ATTENDANCE" ("STUDENT_NO", "LECTURE_NO", "ATTENDANCE") values
('175819', '347529', 'N');
insert into "LECTURE_ATTENDANCE" ("STUDENT_NO", "LECTURE_NO", "ATTENDANCE") values
('910960', '209875', 'N');
insert into "LECTURE_ATTENDANCE" ("STUDENT_NO", "LECTURE_NO", "ATTENDANCE") values
('652098', '417772', 'N');
insert into "LECTURE_ATTENDANCE" ("STUDENT_NO", "LECTURE_NO", "ATTENDANCE") values
('445165', '230028', 'N');
insert into "LECTURE_ATTENDANCE" ("STUDENT_NO", "LECTURE_NO", "ATTENDANCE") values
('272749', '668701', 'N');
insert into "LECTURE_ATTENDANCE" ("STUDENT_NO", "LECTURE_NO", "ATTENDANCE") values
('612534', '326038', 'N');
insert into "LECTURE_ATTENDANCE" ("STUDENT_NO", "LECTURE_NO", "ATTENDANCE") values
('139479', '479704', 'N');
insert into "LECTURE_ATTENDANCE" ("STUDENT_NO", "LECTURE_NO", "ATTENDANCE") values
('438470', '585293', 'N');
insert into "LECTURE_ATTENDANCE" ("STUDENT_NO", "LECTURE_NO", "ATTENDANCE") values
('404774', '676740', 'N');
insert into "LECTURE_ATTENDANCE" ("STUDENT_NO", "LECTURE_NO", "ATTENDANCE") values
('205334', '417357', 'N');
insert into "LECTURE_ATTENDANCE" ("STUDENT_NO", "LECTURE_NO", "ATTENDANCE") values
('556463', '658307', 'N');
insert into "LECTURE_ATTENDANCE" ("STUDENT_NO", "LECTURE_NO", "ATTENDANCE") values
('420483', '901661', 'N');
insert into "LECTURE_ATTENDANCE" ("STUDENT_NO", "LECTURE_NO", "ATTENDANCE") values
('700757', '452264', 'N');
insert into "LECTURE_ATTENDANCE" ("STUDENT_NO", "LECTURE_NO", "ATTENDANCE") values
('656602', '830191', 'N');
insert into "LECTURE_ATTENDANCE" ("STUDENT_NO", "LECTURE_NO", "ATTENDANCE") values
('138855', '115678', 'N');
insert into "LECTURE_ATTENDANCE" ("STUDENT_NO", "LECTURE_NO", "ATTENDANCE") values
('760533', '781929', 'N');
insert into "LECTURE_ATTENDANCE" ("STUDENT_NO", "LECTURE_NO", "ATTENDANCE") values
('425340', '926985', 'N');
insert into "LECTURE_ATTENDANCE" ("STUDENT_NO", "LECTURE_NO", "ATTENDANCE") values
('361630', '898652', 'N');
insert into "LECTURE_ATTENDANCE" ("STUDENT_NO", "LECTURE_NO", "ATTENDANCE") values
('867269', '347529', 'N');
/* multiple lecture attendance have been inserted. Multiples of student_no.
Multiples of lecture_no. Some with Y and some with N */

```

## Lecture Feedback

```

insert into "LECTURE_FEEDBACK" ("STUDENT_NO", "LECTURE_NO", "FEEDBACK") values
('195697', '676740', 'Rgren Pro An Eam Cu Iisque S. ');
insert into "LECTURE_FEEDBACK" ("STUDENT_NO", "LECTURE_NO", "FEEDBACK") values
('195697', '451705', 'Nes Sed Ad Natum Integre Alie. ');

```

```

insert into "LECTURE_FEEDBACK" ("STUDENT_NO","LECTURE_NO","FEEDBACK") values
('195697','326038','Delenit Dissentiet Eu Vim Id.');
```

```

insert into "LECTURE_FEEDBACK" ("STUDENT_NO","LECTURE_NO","FEEDBACK") values
('456741','587599','Repudiare Sed Eahas Ignot.');
```

```

insert into "LECTURE_FEEDBACK" ("STUDENT_NO","LECTURE_NO","FEEDBACK") values
('402511','658307','I Essent Platonem Ne Pro Cib.');
```

```

insert into "LECTURE_FEEDBACK" ("STUDENT_NO","LECTURE_NO","FEEDBACK") values
('404774','658307','Tincidunt Liber Aeterno Adve.');
```

```

insert into "LECTURE_FEEDBACK" ("STUDENT_NO","LECTURE_NO","FEEDBACK") values
('116451','658307','Ius Cum Has Et Populo Putent.');
```

```

insert into "LECTURE_FEEDBACK" ("STUDENT_NO","LECTURE_NO","FEEDBACK") values
('938851','417772','Urbanitas Nobis Iriure Alte.');
```

```

insert into "LECTURE_FEEDBACK" ("STUDENT_NO","LECTURE_NO","FEEDBACK") values
('438470','217326','Rtem Altera Suscipiantur Con.');
```

```

insert into "LECTURE_FEEDBACK" ("STUDENT_NO","LECTURE_NO","FEEDBACK") values
('925272','781929','Id Nec Ei Erat Euismod Epicur.');
```

```

insert into "LECTURE_FEEDBACK" ("STUDENT_NO","LECTURE_NO","FEEDBACK") values
('394668','230028','Actatos Efficiendi An His A.');
```

```

insert into "LECTURE_FEEDBACK" ("STUDENT_NO","LECTURE_NO","FEEDBACK") values
('934741','805129','I Eam At Quo Justo Oportere M.');
```

```

insert into "LECTURE_FEEDBACK" ("STUDENT_NO","LECTURE_NO","FEEDBACK") values
('472029','347529','Ndis No Meitritani Tincidunt.');
```

```

insert into "LECTURE_FEEDBACK" ("STUDENT_NO","LECTURE_NO","FEEDBACK") values
('487461','585293','Adolescens Ex Nemore Facilisi.');
```

```

insert into "LECTURE_FEEDBACK" ("STUDENT_NO","LECTURE_NO","FEEDBACK") values
('102035','417357','Id Pri Conceptam Inciderin.');
```

```

insert into "LECTURE_FEEDBACK" ("STUDENT_NO","LECTURE_NO","FEEDBACK") values
('423402','926985','Diam His In Vis Sint Brute L.');
```

```

insert into "LECTURE_FEEDBACK" ("STUDENT_NO","LECTURE_NO","FEEDBACK") values
('954173','830191','Iendo An Est Et Eam Commune.');
```

```

insert into "LECTURE_FEEDBACK" ("STUDENT_NO","LECTURE_NO","FEEDBACK") values
('556463','237878','Usu Incibo Prodesset Def.');
```

```

insert into "LECTURE_FEEDBACK" ("STUDENT_NO","LECTURE_NO","FEEDBACK") values
('650723','901661','Icatissimi Ad At Quo Recteque.');
```

```

insert into "LECTURE_FEEDBACK" ("STUDENT_NO","LECTURE_NO","FEEDBACK") values
('652098','340070','Escens Sea Ex Quas Latine Rec.');
```

```

insert into "LECTURE_FEEDBACK" ("STUDENT_NO","LECTURE_NO","FEEDBACK") values
('420483','671308','O His Veniam Molestiae Assuev.');
```

```

insert into "LECTURE_FEEDBACK" ("STUDENT_NO","LECTURE_NO","FEEDBACK") values
('145955','898652','Tos Similique Et Usu Dico Mne.');
```

```

insert into "LECTURE_FEEDBACK" ("STUDENT_NO","LECTURE_NO","FEEDBACK") values
('361630','452264','Num Nam Te Mutat Sadipscing.');
```

```

insert into "LECTURE_FEEDBACK" ("STUDENT_NO","LECTURE_NO","FEEDBACK") values
('138855','171469','Avi Theophrastus Te Duo Ipsu.');
```

```

insert into "LECTURE_FEEDBACK" ("STUDENT_NO","LECTURE_NO","FEEDBACK") values
('480159','205188','Aluisset Ad Prima Tamquam Oc.');
```

```

insert into "LECTURE_FEEDBACK" ("STUDENT_NO","LECTURE_NO","FEEDBACK") values
('832196','970312','Putant Suscipiantur Definitio.');
```



```

insert into "LECTURE_FEEDBACK" ("STUDENT_NO","LECTURE_NO","FEEDBACK") values
('186403','115678','Ex Eam At Utroque Laoreet. ');
insert into "LECTURE_FEEDBACK" ("STUDENT_NO","LECTURE_NO","FEEDBACK") values
('811924','668701','Vocent Utroque Facilisi Ius. ');
/* Multiples of lecture feedback have been inserted. Some multiples of student_no.
Some multiples of lecture_no. */

```

## Queries

1. This query will output a list of all planned guest lectures for the next 6 months for the students and staff.

```

SELECT Topic_Name AS "Lecture Topic", LECTURE_DATE AS "Lecture Date", GUEST_LECTURER.NAME
AS "Lecturer", LOCATION AS "Room"
FROM LECTURE_WORKSHOP, GUEST_LECTURER
WHERE LECTURE_WORKSHOP.LECTURER_NO = GUEST_LECTURER.LECTURER_NO
AND LECTURE_DATE BETWEEN sysdate AND ADD_MONTHS(sysdate, 6)
ORDER BY LECTURE_DATE;

```

1	SELECT Topic_Name AS "Lecture Topic", LECTURE_DATE AS "Lecture Date", GUEST_LECTURER.NAME AS "Lecturer", LOCATION AS "Room"
2	FROM LECTURE_WORKSHOP, GUEST_LECTURER
3	WHERE LECTURE_WORKSHOP.LECTURER_NO = GUEST_LECTURER.LECTURER_NO
4	AND LECTURE_DATE BETWEEN sysdate AND ADD_MONTHS(sysdate, 6)
5	ORDER BY LECTURE_DATE;

Lecture Topic	Lecture Date	Lecturer	Room
Business Organisations	05/24/2023	Temores, Eustolia	-
Strategic Management	05/25/2023	Perrine, Donna	-
International Business	05/27/2023	Bateman, Florance	-
E - Commerce	05/28/2023	Paczkowski, Reyes	-
Accounting and Finance	05/29/2023	Bekerman, Rudolph	-
Data Modelling	06/03/2023	Girardi, Julien	-
Business Modelling	06/16/2023	Moncure, Elaine	-
E - Commerce	06/21/2023	Sakoda, Angel	-
E-Business Management	07/06/2023	Strini, Enoch	-
Data Security	07/13/2023	Loera, Alex	-
Entrepreneurship	07/20/2023	Koschnitzki, Nelson	-
Other Databases	07/27/2023	Burd, Haywood	-
Business Organisations	08/27/2023	Koschnitzki, Nelson	-
Business Analytics	08/27/2023	Koschnitzki, Nelson	-
Data Modelling	09/21/2023	Genco, Brandy	-
Web Developing	10/10/2023	Nored, Luigi	-
Small Business	10/25/2023	Wilson, Patricia	-
Data Performance	10/26/2023	Williams, James	-
Other Databases	11/22/2023	Niskala, Jacklyn	-

2. This query will output a list of all past guest lectures with their attendance so the head of school can monitor performance.

```

SELECT GUEST_LECTURER.NAME AS "Lecturer",
COMPANY.NAME AS "Lecturer Organisation",
LECTURE_WORKSHOP.LECTURE_DATE AS "Date",
LECTURE_WORKSHOP.TOPIC_NAME AS "Subject",
STAFF.NAME AS "Organiser",
COUNT(LECTURE_ATTENDANCE.ATTENDANCE) AS "Total Attendance"
FROM COMPANY COMPANY,

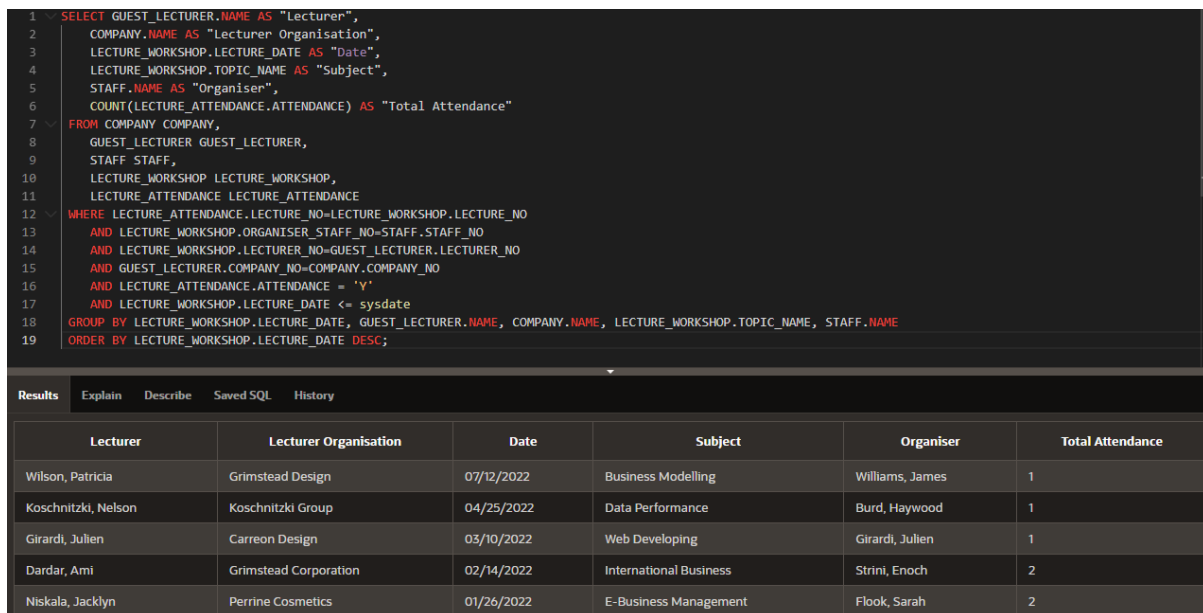
```



```

GUEST_LLECTURER GUEST_LLECTURER,
STAFF STAFF,
LECTURE_WORKSHOP LECTURE_WORKSHOP,
LECTURE_ATTENDANCE LECTURE_ATTENDANCE
WHERE LECTURE_ATTENDANCE.LECTURE_NO=LECTURE_WORKSHOP.LECTURE_NO
AND LECTURE_WORKSHOP.ORGANISER_STAFF_NO=STAFF.STAFF_NO
AND LECTURE_WORKSHOP.LECTURER_NO=GUEST_LLECTURER.LECTURER_NO
AND GUEST_LLECTURER.COMPANY_NO=COMPANY.COMPANY_NO
AND LECTURE_ATTENDANCE.ATTENDANCE = 'Y'
AND LECTURE_WORKSHOP.LECTURE_DATE <= sysdate
GROUP BY LECTURE_WORKSHOP.LECTURE_DATE, GUEST_LLECTURER.NAME, COMPANY.NAME,
LECTURE_WORKSHOP.TOPIC_NAME, STAFF.NAME
ORDER BY LECTURE_WORKSHOP.LECTURE_DATE DESC;

```



The screenshot shows a SQL query execution interface. The query is displayed in a text area, and the results are shown in a table below. The query is a SELECT statement with aliases for the columns and a GROUP BY clause. The results table has six columns: Lecturer, Lecturer Organisation, Date, Subject, Organiser, and Total Attendance. The results are ordered by LECTURE\_DATE DESC.

```

1 SELECT GUEST_LLECTURER.NAME AS "Lecturer",
2        COMPANY.NAME AS "Lecturer Organisation",
3        LECTURE_WORKSHOP.LECTURE_DATE AS "Date",
4        LECTURE_WORKSHOP.TOPIC_NAME AS "Subject",
5        STAFF.NAME AS "Organiser",
6        COUNT(LECTURE_ATTENDANCE.ATTENDANCE) AS "Total Attendance"
7 FROM COMPANY COMPANY,
8        GUEST_LLECTURER GUEST_LLECTURER,
9        STAFF STAFF,
10       LECTURE_WORKSHOP LECTURE_WORKSHOP,
11       LECTURE_ATTENDANCE LECTURE_ATTENDANCE
12 WHERE LECTURE_ATTENDANCE.LECTURE_NO=LECTURE_WORKSHOP.LECTURE_NO
13        AND LECTURE_WORKSHOP.ORGANISER_STAFF_NO=STAFF.STAFF_NO
14        AND LECTURE_WORKSHOP.LECTURER_NO=GUEST_LLECTURER.LECTURER_NO
15        AND GUEST_LLECTURER.COMPANY_NO=COMPANY.COMPANY_NO
16        AND LECTURE_ATTENDANCE.ATTENDANCE = 'Y'
17        AND LECTURE_WORKSHOP.LECTURE_DATE <= sysdate
18 GROUP BY LECTURE_WORKSHOP.LECTURE_DATE, GUEST_LLECTURER.NAME, COMPANY.NAME, LECTURE_WORKSHOP.TOPIC_NAME, STAFF.NAME
19 ORDER BY LECTURE_WORKSHOP.LECTURE_DATE DESC;

```

Lecturer	Lecturer Organisation	Date	Subject	Organiser	Total Attendance
Wilson, Patricia	Grimstead Design	07/12/2022	Business Modelling	Williams, James	1
Koschnitzki, Nelson	Koschnitzki Group	04/25/2022	Data Performance	Burd, Haywood	1
Girardi, Julien	Carreon Design	03/10/2022	Web Developing	Girardi, Julien	1
Dardar, Ami	Grimstead Corporation	02/14/2022	International Business	Strini, Enoch	2
Niskala, Jacklyn	Perrine Cosmetics	01/26/2022	E-Business Management	Flook, Sarah	2

- This query will output feedback and the associated lecture so the head of school can monitor performance.

```

SELECT LECTURE_WORKSHOP.LECTURE_NO AS "Lecture Number",
LECTURE_WORKSHOP.TOPIC_NAME AS "Topic of Lecture",
GUEST_LLECTURER.NAME AS "Lecturer Name",
STAFF.NAME AS "Organiser Name",
LECTURE_WORKSHOP.LECTURE_DATE AS "Date of Lecture",
LECTURE_FEEDBACK.FEEDBACK AS "Feedback",
STUDENT.NAME AS "Feedback From",
STUDENT.STUDENT_NO AS "Student Number",
STUDENT.EMAIL AS "Student Email"
FROM STAFF STAFF,
GUEST_LLECTURER GUEST_LLECTURER,
STUDENT STUDENT,
LECTURE_WORKSHOP LECTURE_WORKSHOP,
LECTURE_FEEDBACK LECTURE_FEEDBACK
WHERE LECTURE_FEEDBACK.STUDENT_NO=STUDENT.STUDENT_NO
AND LECTURE_FEEDBACK.LECTURE_NO=LECTURE_WORKSHOP.LECTURE_NO
AND LECTURE_WORKSHOP.LECTURER_NO=GUEST_LLECTURER.LECTURER_NO

```

AND LECTURE\_WORKSHOP.ORGANISER\_STAFF\_NO=STAFF.STAFF\_NO  
 AND LECTURE\_WORKSHOP.LECTURE\_DATE <= sysdate  
 GROUP BY LECTURE\_WORKSHOP.LECTURE\_NO, LECTURE\_WORKSHOP.TOPIC\_NAME,  
 GUEST\_LLECTURER.NAME, STAFF.NAME, LECTURE\_WORKSHOP.LECTURE\_DATE,  
 LECTURE\_FEEDBACK.FEEDBACK, STUDENT.NAME, STUDENT.EMAIL, STUDENT.STUDENT\_NO;

```

1 SELECT LECTURE_WORKSHOP.LECTURE_NO AS "Lecture Number",
2        LECTURE_WORKSHOP.TOPIC_NAME AS "Topic of Lecture",
3        GUEST_LLECTURER.NAME AS "Lecturer Name",
4        STAFF.NAME AS "Organiser Name",
5        LECTURE_WORKSHOP.LECTURE_DATE AS "Date of Lecture",
6        LECTURE_FEEDBACK.FEEDBACK AS "Feedback",
7        STUDENT.NAME AS "Feedback From",
8        STUDENT.STUDENT_NO AS "Student Number",
9        STUDENT.EMAIL AS "Student Email"
10 FROM STAFF STAFF,
11        GUEST_LLECTURER GUEST_LLECTURER,
12        STUDENT STUDENT,
13        LECTURE_WORKSHOP LECTURE_WORKSHOP,
14        LECTURE_FEEDBACK LECTURE_FEEDBACK
15 WHERE LECTURE_FEEDBACK.STUDENT_NO=STUDENT.STUDENT_NO
16        AND LECTURE_FEEDBACK.LECTURE_NO=LECTURE_WORKSHOP.LECTURE_NO
17        AND LECTURE_WORKSHOP.LECTURER_NO=GUEST_LLECTURER.LECTURER_NO
18        AND LECTURE_WORKSHOP.ORGANISER_STAFF_NO=STAFF.STAFF_NO
19        AND LECTURE_WORKSHOP.LECTURE_DATE <= sysdate
20 GROUP BY LECTURE_WORKSHOP.LECTURE_NO, LECTURE_WORKSHOP.TOPIC_NAME, GUEST_LLECTURER.NAME, STAFF.NAME, LECTURE_WORKSHOP.LECTURE_DATE, LECTURE_FEEDBACK.FEEDBACK,
  
```

Lecture Number	Topic of Lecture	Lecturer Name	Organiser Name	Date of Lecture	Feedback	Feedback From	Student Number	Student Email
898652	Business Modelling	Wilson, Patricia	Williams, James	07/12/2022	Ius Cum Has Et Populo Putent.	Shortes, Erica	650723	Erica.Shortes@internalmail
479704	Data Security	Grimstead, Teisha	Koschnitzki, Ne	07/18/2022	Escens Sea Ex Quas Latine Rec.	Blasingim, Tim	556463	Tim.Blasingim@internalmail
713963	E-Business Management	Niskala, Jacklyn	Flook, Sarah	01/26/2022	Adolescens Ex Nemore Facilis.	Arana, Wysteria	404774	Wysteria.Arana@internalmail
451705	Web Developing	Girardi, Julien	Girardi, Julien	03/10/2022	Id Nec Ei Erat Euismod Epicur.	Goodspeed, Hyrum	677338	Hyrum.Goodspeed@internalmail
326038	Data Performance	Koschnitzki, Nelson	Burd, Haywood	04/25/2022	O His Veniam Molestiae Assuev.	Carreon, Angelo	877243	Angelo.Carreon@internalmail
805129	Strategic Management	Koschnitzki, Nelson	Bateman, Floran	06/06/2022	Tindidunt Liber Aeterno Adve.	Doorn, Jessika	423402	Jessika.Doorn@internalmail
671308	E - Commerce	Shackley, Lloyd	Williams, James	05/11/2022	Id Pri Conceptam Inciderin.	Puchalla, Verda	652098	Verda.Puchalla@internalmail

4. This query will output a list of all contacts between staff and their designated company for the administrator.

SELECT COMPANY\_STAFF\_CONTACT.DATE\_OF\_CONTACT AS "Date of Contact",  
 STAFF.NAME AS "Staff Member ",  
 STAFF.EMAIL AS "Staff's Email",  
 COMPANY.NAME AS "Company",  
 COMPANY\_STAFF\_CONTACT.REASON\_FOR\_CONTACT AS "Reason for Contact"  
 FROM COMPANY\_STAFF\_CONTACT COMPANY\_STAFF\_CONTACT,  
 COMPANY COMPANY,  
 STAFF STAFF  
 WHERE COMPANY\_STAFF\_CONTACT.STAFF\_NO=STAFF.STAFF\_NO  
 AND COMPANY.COMPANY\_NO=COMPANY\_STAFF\_CONTACT.COMPANY\_NO  
 AND COMPANY\_STAFF\_CONTACT.DATE\_OF\_CONTACT <= sysdate  
 GROUP BY COMPANY\_STAFF\_CONTACT.DATE\_OF\_CONTACT, STAFF.NAME, STAFF.EMAIL,  
 COMPANY.NAME, COMPANY\_STAFF\_CONTACT.REASON\_FOR\_CONTACT  
 ORDER BY COMPANY\_STAFF\_CONTACT.DATE\_OF\_CONTACT;

1	SELECT COMPANY_STAFF_CONTACT.DATE_OF_CONTACT AS "Date of Contact",
2	STAFF.NAME AS "Staff Member ",
3	STAFF.EMAIL AS "Staff's Email",
4	COMPANY.NAME AS "Company",
5	COMPANY_STAFF_CONTACT.REASON_FOR_CONTACT AS "Reason for Contact"
6	FROM COMPANY_STAFF_CONTACT COMPANY_STAFF_CONTACT,
7	COMPANY COMPANY,
8	STAFF STAFF
9	WHERE COMPANY_STAFF_CONTACT.STAFF_NO=STAFF.STAFF_NO
10	AND COMPANY.COMPANY_NO=COMPANY_STAFF_CONTACT.COMPANY_NO
11	AND COMPANY_STAFF_CONTACT.DATE_OF_CONTACT <= sysdate
12	GROUP BY COMPANY_STAFF_CONTACT.DATE_OF_CONTACT, STAFF.NAME, STAFF.EMAIL, COMPANY.NAME, COMPANY_STAFF_CONTACT.REASON_FOR_CONTACT
13	ORDER BY COMPANY_STAFF_CONTACT.DATE_OF_CONTACT;
14	

Results	Explain	Describe	Saved SQL	History
Date of Contact	Staff Member	Staff's Email	Company	Reason for Contact
01/31/2021	Carreon, Angelo	Angelo.Carreon@internalmail	Loera International	Cetero Detraxit Ei Cumel Vim Accusata Democritum Eu Gu.
02/24/2021	Loera, Alex	Alex.Loera@internalmail	Moncure Company	Ophia Vix Cu Vix Facer Affert Impedit Cum Vero Idque Incider.
05/04/2021	Grimstead, Teis	Teisha.Grimstead@internalmail	Williams and Sons	Int At Per In Sale Affert Adversarium Et Eros Eleifend Refe.
07/08/2021	Bateman, Floran	Florance.Bateman@internalmail	Koschnitzki International	M Vocent Fabulaset Tantas Sanctus Incorrupte Cum Ne Est.
07/19/2021	Paczkowski, Rey	Reyes.Paczkowski@internalmail	Pecatoste Pharmaceuticals	Unt Antiopam Te Pro Ei Malorum Postulant Ullamcorper Nec.
08/02/2021	Binette, Alex	Alex.Binette@internalmail	Binette Pharmaceuticals	I Recusabo Mnesarchum Cu Vero Detracto Nominati Mel Ad Simul.
08/24/2021	Girardi, Julien	Julien.Girardi@internalmail	Perrine Cosmetics	T Utamur Sensibus An Ex Solet Iuvaret Delectus His Mea Ex S.
12/06/2021	Wilson, Patrici	Patricia.Wilson@internalmail	Koschnitzki Group	Ornatus Facilis Cum Et Saepe Ancillae Sed Ea Id Clita Philos.
02/16/2022	Niskala, Jackly	Jacklyn.Niskala@internalmail	Gervin Cosmetics	In Vocent Incorrupte Mea An Partem Vulputate Sadipscing Me.
02/28/2022	Paczkowski, Rey	Reyes.Paczkowski@internalmail	Pecatoste Group	Modum Scaevola Mel Eu Duo Erat Mucius Graeci Sale Minim Rec.
03/15/2022	Perrine, Donna	Donna.Perrine@internalmail	Grimstead Corporation	Re Legendos Ex Has Sed Clita Epicuri Voluptaria Etsea Aeq.
06/14/2022	Bekerman, Rudol	Rudolph.Bekerman@internalmail	Carreon Design	Rrentur Vix Utroque Epicuri Placerat Ei Ius Eos At Nominav.
12/19/2022	Koschnitzki, Ne	Nelson.Koschnitzki@internalmai	Dardar Heavy Industries	Sum Salutandi Reformidans Mel Ferri Possim Argumentum Ei.
05/17/2023	Carreon, Angelo	Angelo.Carreon@internalmail	Nored Pharmaceuticals	O Deleniti Posidonium Ad Melquo Eros Senserit Ut Pro No.

- This query will output a list of the number of lectures each staff member has organised for the head of school to see who is organising the most.

SELECT

STAFF.NAME AS "Staff Member",

COUNT(CASE WHEN LECTURE\_WORKSHOP.LECTURE\_DATE < SYSDATE THEN 1 END) AS "Number of Past Lectures Organised",

COUNT(CASE WHEN LECTURE\_WORKSHOP.LECTURE\_DATE > SYSDATE THEN 1 END) AS "Number of Future Lectures Organised",

COUNT(LECTURE\_WORKSHOP.ORGANISER\_STAFF\_NO) AS "Total Number of Lectures Organised",

STAFF.PHONE\_NUMBER AS "Staff Phone Number",

STAFF.EMAIL AS "Staff Email"

FROM STAFF STAFF

JOIN LECTURE\_WORKSHOP LECTURE\_WORKSHOP ON LECTURE\_WORKSHOP.ORGANISER\_STAFF\_NO = STAFF.STAFF\_NO

GROUP BY STAFF.NAME, LECTURE\_WORKSHOP.ORGANISER\_STAFF\_NO, STAFF.PHONE\_NUMBER, STAFF.EMAIL;

1	SELECT				
2	STAFF.NAME AS "Staff Member",				
3	COUNT(CASE WHEN LECTURE_WORKSHOP.LECTURE_DATE < SYSDATE THEN 1 END) AS "Number of Past Lectures Organised",				
4	COUNT(CASE WHEN LECTURE_WORKSHOP.LECTURE_DATE > SYSDATE THEN 1 END) AS "Number of Future Lectures Organised",				
5	COUNT(LECTURE_WORKSHOP.ORGANISER_STAFF_NO) AS "Total Number of Lectures Organised",				
6	STAFF.PHONE_NUMBER AS "Staff Phone Number",				
7	STAFF.EMAIL AS "Staff Email"				
8	FROM STAFF STAFF				
9	JOIN LECTURE_WORKSHOP LECTURE_WORKSHOP ON LECTURE_WORKSHOP.ORGANISER_STAFF_NO = STAFF.STAFF_NO				
10	GROUP BY STAFF.NAME, LECTURE_WORKSHOP.ORGANISER_STAFF_NO, STAFF.PHONE_NUMBER, STAFF.EMAIL;				

Results	Explain	Describe	Saved SQL	History
---------	---------	----------	-----------	---------

Staff Member	Number of Past Lectures Organised	Number of Future Lectures Organised	Total Number of Lectures Organised	Staff Phone Number	Staff Email
Bekerman, Rudol	0	1	1	78064453306	Rudolph.Bekerman@internalmail
Grimstead, Teis	0	1	1	72768357887	Teisha.Grimstead@internalmail
Gervin, Chet	0	1	1	78820045873	Chet.Gervin@internalmail
Williams, James	1	0	1	77319613127	James.Williams@internalmail
Strini, Enoch	0	1	1	77333809708	Enoch.Strini@internalmail
Genco, Brandy	0	1	1	77672267665	Brandy.Genco@internalmail
Flook, Sarah	1	0	1	71237345246	Sarah.Flook@internalmail
Girardi, Julien	1	1	2	79059562235	Julien.Girardi@internalmail
Gervin, Chet	0	2	2	75140135857	Chet.Gervin@internalmail
Loera, Alex	0	1	1	79192500138	Alex.Loera@internalmail
Wilson, Patrici	0	1	1	73739713548	Patricia.Wilson@internalmail
Paczkowski, Rey	0	1	1	79061367672	Reyes.Paczkowski@internalmail
Genco, Brandy	0	1	1	71414036785	Brandy.Genco@internalmail
Perrine, Donna	0	1	1	78766590853	Donna.Perrine@internalmail
Bateman, Floran	1	0	1	78871867026	Florance.Bateman@internalmail
Grimstead, Teis	1	1	2	75319136810	Teisha.Grimstead@internalmail
Williams, James	1	0	1	74444375671	James.Williams@internalmail
Burd, Haywood	1	0	1	73602720074	Haywood.Burd@internalmail
Burd, Haywood	0	1	1	77388008372	Haywood.Burd@internalmail
Binette, Alex	0	1	1	74320829234	Alex.Binette@internalmail
Koschnitzki, Ne	1	0	1	78161343572	Nelson.Koschnitzki@internalmail
Strini, Enoch	1	1	2	77419938621	Enoch.Strini@internalmail

6. This query will output a list for placement officer of students that are on placements, their supervisor, and the company.

```

SELECT COMPANY_PLACEMENT.TITLE AS "Placement Title ",
       COMPANY_PLACEMENT.START_DATE AS "Start of Placement",
       COMPANY_PLACEMENT.END_DATE AS "End of Placement",
       STUDENT.NAME AS "Student Name",
       STUDENT.EMAIL AS "Student Email",
       PLACEMENT_SUPERVISOR.NAME AS "Supervisor",
       PLACEMENT_SUPERVISOR.EMAIL AS "Supervisor Email",
       COMPANY.NAME AS "Supervisor's Company"
FROM COMPANY COMPANY,
     STUDENT_ON_PLACEMENT STUDENT_ON_PLACEMENT,
     STUDENT STUDENT,
     PLACEMENT_SUPERVISOR PLACEMENT_SUPERVISOR,
     COMPANY_PLACEMENT COMPANY_PLACEMENT
WHERE STUDENT_ON_PLACEMENT.STUDENT_NO=STUDENT.STUDENT_NO
     AND STUDENT_ON_PLACEMENT.PLACEMENT_NO=COMPANY_PLACEMENT.PLACEMENT_NO
     AND COMPANY_PLACEMENT.SUPERVISOR_NO=PLACEMENT_SUPERVISOR.SUPERVISOR_NO
     AND PLACEMENT_SUPERVISOR.COMPANY_NO=COMPANY.COMPANY_NO
     AND COMPANY_PLACEMENT.START_DATE <= sysdate
     AND COMPANY_PLACEMENT.END_DATE >= sysdate;

```

1	SELECT COMPANY_PLACEMENT.TITLE AS "Placement Title ",
2	COMPANY_PLACEMENT.START_DATE AS "Start of Placement",
3	COMPANY_PLACEMENT.END_DATE AS "End of Placement",
4	STUDENT.NAME AS "Student Name",
5	STUDENT.EMAIL AS "Student Email",
6	PLACEMENT_SUPERVISOR.NAME AS "Supervisor",
7	PLACEMENT_SUPERVISOR.EMAIL AS "Supervisor Email",
8	COMPANY.NAME AS "Supervisor's Company"
9	FROM COMPANY COMPANY,
10	STUDENT_ON_PLACEMENT STUDENT_ON_PLACEMENT,
11	STUDENT STUDENT,
12	PLACEMENT_SUPERVISOR PLACEMENT_SUPERVISOR,
13	COMPANY_PLACEMENT COMPANY_PLACEMENT
14	WHERE STUDENT_ON_PLACEMENT.STUDENT_NO=STUDENT.STUDENT_NO
15	AND STUDENT_ON_PLACEMENT.PLACEMENT_NO=COMPANY_PLACEMENT.PLACEMENT_NO
16	AND COMPANY_PLACEMENT.SUPERVISOR_NO=PLACEMENT_SUPERVISOR.SUPERVISOR_NO
17	AND PLACEMENT_SUPERVISOR.COMPANY_NO=COMPANY.COMPANY_NO
18	AND COMPANY_PLACEMENT.START_DATE <= sysdate
19	AND COMPANY_PLACEMENT.END_DATE >= sysdate;
20	

Results	Explain	Describe	Saved SQL	History
---------	---------	----------	-----------	---------

Placement Title	Start of Placement	End of Placement	Student Name	Student Email	Supervisor	Supervisor Email	Supervisor's Company
Chemistry Teacher	05/20/2023	09/02/2023	Lobregat, Norman	Norman.Lobregat@internalmail	Sakoda, Angel	Angel.Sakoda@internalmail	Dardar Design
Math Teacher	05/20/2023	07/10/2023	Binette, Alex	Alex.Binette@internalmail	Moncure, Elaine	Elaine.Moncure@internalmail	Pecatoste Group

7. This query will output list for the placement officer of previous placements which had students on them.

```

SELECT COMPANY_PLACEMENT.TITLE AS "Placement Title ",
       COMPANY_PLACEMENT.START_DATE AS "Start of Placement",
       COMPANY_PLACEMENT.END_DATE AS "End of Placement",
       STUDENT.NAME AS "Student Name",
       STUDENT.EMAIL AS "Student Email",
       PLACEMENT_SUPERVISOR.NAME AS "Supervisor",
       PLACEMENT_SUPERVISOR.EMAIL AS "Supervisor Email",
       COMPANY.NAME AS "Supervisor's Company"
FROM COMPANY COMPANY,
     STUDENT_ON_PLACEMENT STUDENT_ON_PLACEMENT,
     STUDENT STUDENT,
     PLACEMENT_SUPERVISOR PLACEMENT_SUPERVISOR,
     COMPANY_PLACEMENT COMPANY_PLACEMENT
WHERE STUDENT_ON_PLACEMENT.STUDENT_NO=STUDENT.STUDENT_NO
     AND STUDENT_ON_PLACEMENT.PLACEMENT_NO=COMPANY_PLACEMENT.PLACEMENT_NO
     AND COMPANY_PLACEMENT.SUPERVISOR_NO=PLACEMENT_SUPERVISOR.SUPERVISOR_NO
     AND PLACEMENT_SUPERVISOR.COMPANY_NO=COMPANY.COMPANY_NO
     AND COMPANY_PLACEMENT.END_DATE <= sysdate;

```

```

1 SELECT COMPANY_PLACEMENT.TITLE AS "Placement Title ",
2     COMPANY_PLACEMENT.START_DATE AS "Start of Placement",
3     COMPANY_PLACEMENT.END_DATE AS "End of Placement",
4     STUDENT.NAME AS "Student Name",
5     STUDENT.EMAIL AS "Student Email",
6     PLACEMENT_SUPERVISOR.NAME AS "Supervisor",
7     PLACEMENT_SUPERVISOR.EMAIL AS "Supervisor Email",
8     COMPANY.NAME AS "Supervisor's Company"
9 FROM COMPANY COMPANY,
10      STUDENT_ON_PLACEMENT STUDENT_ON_PLACEMENT,
11      STUDENT STUDENT,
12      PLACEMENT_SUPERVISOR PLACEMENT_SUPERVISOR,
13      COMPANY_PLACEMENT COMPANY_PLACEMENT
14 WHERE STUDENT_ON_PLACEMENT.STUDENT_NO=STUDENT.STUDENT_NO
15        AND STUDENT_ON_PLACEMENT.PLACEMENT_NO=COMPANY_PLACEMENT.PLACEMENT_NO
16        AND COMPANY_PLACEMENT.SUPERVISOR_NO=PLACEMENT_SUPERVISOR.SUPERVISOR_NO
17        AND PLACEMENT_SUPERVISOR.COMPANY_NO=COMPANY.COMPANY_NO
18        AND COMPANY_PLACEMENT.END_DATE <= sysdate;

```

Results

Explain

Describe

Saved SQL

History

Placement Title	Start of Placement	End of Placement	Student Name	Student Email	Supervisor	Supervisor Email	Supervisor's Company
Broadcast Technician	09/01/2021	09/03/2022	Scrobola, Jamison	Jamison.Scrobola@internalmail	Bekerman, Rudolph	Rudolph.Bekerman@internalmail	Nored Pharmaceuticals
Auto Shop Teacher	09/18/2021	09/15/2022	Clippard, Jewel	Jewel.Clippard@internalmail	Niskala, Jacklyn	Jacklyn.Niskala@internalmail	Wilson Design
Kindergarten Teacher	09/25/2021	09/18/2022	Wida, Laveta	Laveta.Wida@internalmail	Dardar, Ami	Ami.Dardar@internalmail	Niskala International
Chemistry Teacher	09/05/2021	09/12/2022	Bekerman, Rudolph	Rudolph.Bekerman@internalmail	Pecatoste, Jonell	Jonell.Pecatoste@internalmail	Bekerman Studios
Math Teacher	09/15/2021	09/17/2022	Gervin, Chet	Chet.Gervin@internalmail	Grimstead, Teisha	Teisha.Grimstead@internalmail	Moncure Company
Elementary School Teacher	09/28/2021	09/18/2022	Doorn, Jessika	Jessika.Doorn@internalmail	Sakoda, Angel	Angel.Sakoda@internalmail	Dardar Design
Library Science Teacher	09/01/2021	09/18/2022	Liddicoat, Daisy	Daisy.Liddicoat@internalmail	Loera, Alex	Alex.Loera@internalmail	Loera International
Judge	09/16/2021	09/03/2022	Strini, Enoch	Enoch.Strini@internalmail	Gervin, Chet	Chet.Gervin@internalmail	Temores Heavy Industries
A/V Technician	09/28/2021	09/19/2022	Huckeba, Loyd	Loyd.Huckeba@internalmail	Binette, Alex	Alex.Binette@internalmail	Carreon Design

8. This query will output a list for the placement officer of future company placements that have no students on them yet.

```

SELECT COMPANY_PLACEMENT.TITLE AS "Title of Placement ",
       COMPANY_PLACEMENT.START_DATE AS "Start of Placement",
       COMPANY_PLACEMENT.END_DATE AS "End of Placement",
       PLACEMENT_SUPERVISOR.NAME AS "Supervisor Name",
       PLACEMENT_SUPERVISOR.PHONE_NUMBER AS "Supervisor Phone Number",
       PLACEMENT_SUPERVISOR.EMAIL AS "Supervisor Email",
       COMPANY.NAME AS "Company Running Placement"
FROM COMPANY COMPANY,
     PLACEMENT_SUPERVISOR PLACEMENT_SUPERVISOR,
     COMPANY_PLACEMENT COMPANY_PLACEMENT
WHERE COMPANY_PLACEMENT.SUPERVISOR_NO=PLACEMENT_SUPERVISOR.SUPERVISOR_NO
     AND PLACEMENT_SUPERVISOR.COMPANY_NO=COMPANY.COMPANY_NO
     AND COMPANY_PLACEMENT.START_DATE > sysdate
     AND NOT EXISTS (
       SELECT STUDENT_ON_PLACEMENT.PLACEMENT_NO
       FROM STUDENT_ON_PLACEMENT
       WHERE COMPANY_PLACEMENT.PLACEMENT_NO = STUDENT_ON_PLACEMENT.PLACEMENT_NO
     );

```

1	SELECT COMPANY_PLACEMENT.TITLE AS "Title of Placement ",
2	COMPANY_PLACEMENT.START_DATE AS "Start of Placement",
3	COMPANY_PLACEMENT.END_DATE AS "End of Placement",
4	PLACEMENT_SUPERVISOR.NAME AS "Supervisor Name",
5	PLACEMENT_SUPERVISOR.PHONE_NUMBER AS "Supervisor Phone Number",
6	PLACEMENT_SUPERVISOR.EMAIL AS "Supervisor Email",
7	COMPANY.NAME AS "Company Running Placement"
8	FROM COMPANY COMPANY,
9	PLACEMENT_SUPERVISOR PLACEMENT_SUPERVISOR,
10	COMPANY_PLACEMENT COMPANY_PLACEMENT
11	WHERE COMPANY_PLACEMENT.SUPERVISOR_NO=PLACEMENT_SUPERVISOR.SUPERVISOR_NO
12	AND PLACEMENT_SUPERVISOR.COMPANY_NO=COMPANY.COMPANY_NO
13	AND COMPANY_PLACEMENT.START_DATE > sysdate
14	AND NOT EXISTS (
15	SELECT STUDENT_ON_PLACEMENT.PLACEMENT_NO
16	FROM STUDENT_ON_PLACEMENT
17	WHERE COMPANY_PLACEMENT.PLACEMENT_NO = STUDENT_ON_PLACEMENT.PLACEMENT_NO
18	);

Results	Explain	Describe	Saved SQL	History
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Title of Placement	Start of Placement	End of Placement	Supervisor Name	Supervisor Phone Number	Supervisor Email	Company Running Placement
Library Science Teacher	01/01/2024	07/11/2024	Sakoda, Angel	7862887177	Angel.Sakoda@internalmail	Dardar Design
Chemistry Teacher	01/01/2024	06/27/2024	Binette, Alex	7534204740	Alex.Binette@internalmail	Carreon Design
Math Teacher	01/01/2024	08/23/2024	Nored, Luigi	7482690582	Luigi.Nored@internalmail	Grimstead Design

9. This query will output a list for the placement officer of future company placements already have students on them.

```

SELECT COMPANY_PLACEMENT.TITLE AS "Title of Placement ",
      COMPANY_PLACEMENT.START_DATE AS "Start of Placement",
      COMPANY_PLACEMENT.END_DATE AS "End of Placement",
      STUDENT.NAME AS "Student On Placement",
      STUDENT.EMAIL AS "Student Email",
      PLACEMENT_SUPERVISOR.NAME AS "Supervisor Name",
      PLACEMENT_SUPERVISOR.EMAIL AS "Supervisor Email",
      COMPANY.NAME AS "Company"
FROM STUDENT_ON_PLACEMENT STUDENT_ON_PLACEMENT,
      COMPANY COMPANY,
      PLACEMENT_SUPERVISOR PLACEMENT_SUPERVISOR,
      STUDENT STUDENT,
      COMPANY_PLACEMENT COMPANY_PLACEMENT
WHERE STUDENT_ON_PLACEMENT.STUDENT_NO=STUDENT.STUDENT_NO
      AND STUDENT_ON_PLACEMENT.PLACEMENT_NO=COMPANY_PLACEMENT.PLACEMENT_NO
      AND COMPANY_PLACEMENT.SUPERVISOR_NO=PLACEMENT_SUPERVISOR.SUPERVISOR_NO
      AND PLACEMENT_SUPERVISOR.COMPANY_NO=COMPANY.COMPANY_NO
      AND COMPANY_PLACEMENT.START_DATE > sysdate;

```

1	SELECT COMPANY_PLACEMENT.TITLE AS "Title of Placement ",
2	COMPANY_PLACEMENT.START_DATE AS "Start of Placement",
3	COMPANY_PLACEMENT.END_DATE AS "End of Placement",
4	STUDENT.NAME AS "Student On Placement",
5	STUDENT.EMAIL AS "Student Email",
6	PLACEMENT_SUPERVISOR.NAME AS "Supervisor Name",
7	PLACEMENT_SUPERVISOR.EMAIL AS "Supervisor Email",
8	COMPANY.NAME AS "Company"
9	FROM STUDENT_ON_PLACEMENT STUDENT_ON_PLACEMENT,
10	COMPANY COMPANY,
11	PLACEMENT_SUPERVISOR PLACEMENT_SUPERVISOR,
12	STUDENT STUDENT,
13	COMPANY_PLACEMENT COMPANY_PLACEMENT
14	WHERE STUDENT_ON_PLACEMENT.STUDENT_NO=STUDENT.STUDENT_NO
15	AND STUDENT_ON_PLACEMENT.PLACEMENT_NO=COMPANY_PLACEMENT.PLACEMENT_NO
16	AND COMPANY_PLACEMENT.SUPERVISOR_NO=PLACEMENT_SUPERVISOR.SUPERVISOR_NO
17	AND PLACEMENT_SUPERVISOR.COMPANY_NO=COMPANY.COMPANY_NO
18	AND COMPANY_PLACEMENT.START_DATE > sysdate;

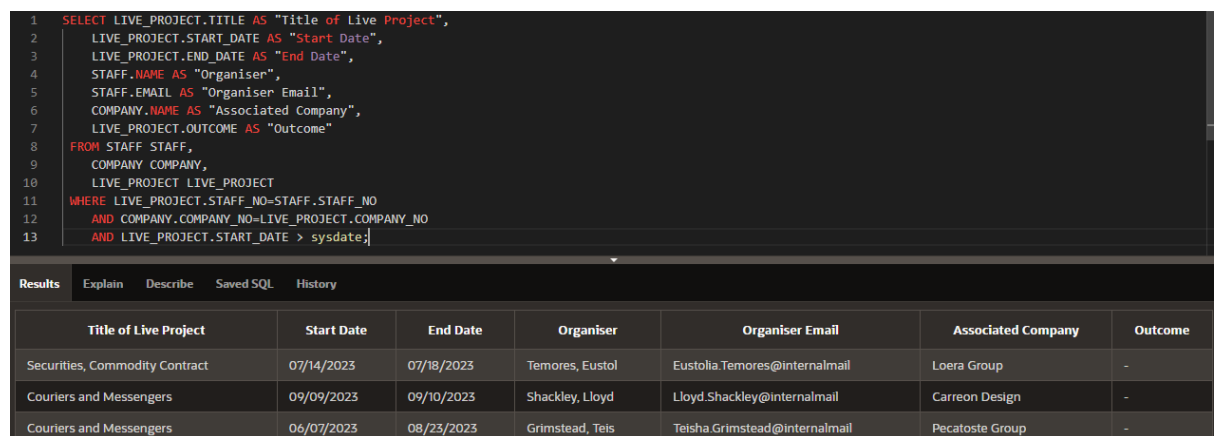
Results	Explain	Describe	Saved SQL	History
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Title of Placement	Start of Placement	End of Placement	Student On Placement	Student Email	Supervisor Name	Supervisor Email	Company
Judge	01/01/2024	08/30/2024	Gammons, Jaimee	Jaimee.Gammons@internalmail	Grimstead, Teisha	Teisha.Grimstead@internalmail	Moncure Company
Law Clerk	01/01/2024	07/12/2024	Paczkowski, Reyes	Reyes.Paczkowski@internalmail	Niskala, Jacklyn	Jacklyn.Niskala@internalmail	Wilson Design



10. This query will output a list of planned live projects for the staff and students.

```
SELECT LIVE_PROJECT.TITLE AS "Title of Live Project",
       LIVE_PROJECT.START_DATE AS "Start Date",
       LIVE_PROJECT.END_DATE AS "End Date",
       STAFF.NAME AS "Organiser",
       STAFF.EMAIL AS "Organiser Email",
       COMPANY.NAME AS "Associated Company",
       LIVE_PROJECT.OUTCOME AS "Outcome"
FROM STAFF STAFF,
     COMPANY COMPANY,
     LIVE_PROJECT LIVE_PROJECT
WHERE LIVE_PROJECT.STAFF_NO=STAFF.STAFF_NO
      AND COMPANY.COMPANY_NO=LIVE_PROJECT.COMPANY_NO
      AND LIVE_PROJECT.START_DATE > sysdate;
```



The screenshot shows a SQL query execution interface. The query is displayed in a text area, and the results are shown in a table below. The table has seven columns: Title of Live Project, Start Date, End Date, Organiser, Organiser Email, Associated Company, and Outcome. The results show three rows of data.

Title of Live Project	Start Date	End Date	Organiser	Organiser Email	Associated Company	Outcome
Securities, Commodity Contract	07/14/2023	07/18/2023	Temores, Eustol	Eustolia.Temores@internalmail	Loera Group	-
Couriers and Messengers	09/09/2023	09/10/2023	Shackley, Lloyd	Lloyd.Shackley@internalmail	Carreon Design	-
Couriers and Messengers	06/07/2023	08/23/2023	Grimstead, Teis	Teisha.Grimstead@internalmail	Pecatoste Group	-

11. This query will output a report on the previous successful projects that had been placed for the head of school.

```
SELECT LIVE_PROJECT.TITLE AS "Title of Live Project",
       LIVE_PROJECT.START_DATE AS "Start Date",
       LIVE_PROJECT.END_DATE AS "End Date",
       STAFF.NAME AS "Organiser",
       STAFF.EMAIL AS "Organiser Email",
       COMPANY.NAME AS "Associated Company",
       LIVE_PROJECT.OUTCOME AS "Outcome"
FROM STAFF STAFF,
     COMPANY COMPANY,
     LIVE_PROJECT LIVE_PROJECT
WHERE LIVE_PROJECT.STAFF_NO=STAFF.STAFF_NO
      AND COMPANY.COMPANY_NO=LIVE_PROJECT.COMPANY_NO
      AND LIVE_PROJECT.END_DATE <= sysdate;
```

1

SELECT LIVE\_PROJECT.TITLE AS "Title of Live Project",

2

LIVE\_PROJECT.START\_DATE AS "Start Date",

3

LIVE\_PROJECT.END\_DATE AS "End Date",

4

STAFF.NAME AS "Organiser",

5

STAFF.EMAIL AS "Organiser Email",

6

COMPANY.NAME AS "Associated Company",

7

LIVE\_PROJECT.OUTCOME AS "Outcome"

8

FROM STAFF STAFF,

9

COMPANY COMPANY,

10

LIVE\_PROJECT LIVE\_PROJECT

11

WHERE LIVE\_PROJECT.STAFF\_NO=STAFF.STAFF\_NO

12

AND COMPANY.COMPANY\_NO=LIVE\_PROJECT.COMPANY\_NO

13

AND LIVE\_PROJECT.END\_DATE <= sysdate;]

Results

Explain

Describe

Saved SQL

History

Title of Live Project	Start Date	End Date	Organiser	Organiser Email	Associated Company	Outcome
Credit Intermediation and Rela	10/05/2022	12/10/2022	Strini, Enoch	Enoch.Strini@internalmail	Bekerman Studios	-
Couriers and Messengers	10/09/2022	12/17/2022	Carreon, Angelo	Angelo.Carreon@internalmail	Pecatoste Group	-
Credit Intermediation and Rela	01/08/2023	03/12/2023	Williams, James	James.Williams@internalmail	Williams and Sons	Good
Credit Intermediation and Rela	03/13/2022	05/17/2022	Niskala, Jackly	Jacklyn.Niskala@internalmail	Bateman Heavy Industries	-
Credit Intermediation and Rela	12/03/2022	01/09/2023	Koschnitzki, Ne	Nelson.Koschnitzki@internalmai	Sakoda International	-
Securities, Commodity Contract	12/05/2022	01/14/2023	Temores, Eustol	Eustolia.Temores@internalmail	Bateman Heavy Industries	-
Securities, Commodity Contract	06/19/2021	04/02/2022	Sakoda, Angel	Angel.Sakoda@internalmail	Burd and Sons	-
Securities, Commodity Contract	10/19/2022	12/08/2022	Carreon, Angelo	Angelo.Carreon@internalmail	Moncure Company	-
Couriers and Messengers	12/06/2022	01/01/2023	Sakoda, Angel	Angel.Sakoda@internalmail	Pecatoste Group	Okay

## Brief Overview of Database Security

Access Control – views (diff viewing perms), Data Classification – prevent users from accessing PII – Ensuring that the right data is viewed by the right people is very important to our database. Highly sensitive information will be stored on our database, and that access needs to be controlled & managed. We will accomplish this by having several views on our data. Meaning a staff member will not see the same things as an Admin or a guest user. This ensures that no sensitive data (PII) is shared. We will also have tags assigned to data group sets that determine if the data is sensitive or not & who will be able to view/modify it.

### Auditing + Logging – using software like CONSOLE

Having protocols in place that record all access to our system will allow for management to ensure that the correct people are accessing our data. For example, if we start collecting IP addresses of users that access the server, we allow for the identification of users who are unauthorized users. We can also find out if data is being accessed inappropriately. IE, if someone is accessing a secure system from their personal device. This behaviour would be immediately recognized and halted, as it poses a risk to the safety of the systems and also the data. Using a system like CONSOLE, we can efficiently see who all is accessing the data, what changes they have made. Console is a logging systems that many people use for this specific purpose.

Views- Layers, Restricted data,

General Security Measures- 2FA + MFA, token logins (dongle) / employee training

In most cases of data breaches, incompetence from employees is what leads to these situations. For example, an American company (TARGET), internal database was hacked all due to their password being PASSWORD. This could have been very easily avoided by having some common sense. We will use a variety of techniques to ensure that our data is safe. 2FA will be required by all staff members who wish to access any of the data. Admins will be required to have MFA, as the data they have access to is highly sensitive, containing users PII. Additionally, users that have admin perms should also be issued a physical dongle that will display a code for full access to the system.

## Server Backups-

Having server backups will ease the tension on SLU in case there is a disaster that destroys our data. We also plan on having both in house / out house testing to be done every few months to ensure security of our system. In house testing will compromise of users attempting to obtain access to data that they are not permitted to have. Out house testing will have a 3<sup>rd</sup> party that will come and test our data. We also plan to recruit a cybersecurity company for penetration testing and live monitoring.

## Suggestion for Other Database Technology/Info System

**A suggestion for one other database technology/information system that you think might benefit the company, either now or in the future, providing a rationale for this.**

**(I have given two)**

One database technology to meet the requirements of South London University (SLU), would be the inclusion and implementation of a data analytics platform. A data analytics platform would provide SLU with the tools and capabilities to analyse and derive valuable insights from the data generated by their lecture and placement system. By implementing a data analytics platform, SLU would empower its administrators and staff to make informed decisions based on trends, patterns, and predictive models extracted from the data. This platform would enable SLU to proactively identify areas for improvement, optimise resource allocation, and enhance teaching methods, which would lead to improved student academic outcomes and institutional success. With the ability to perform advanced data analysis techniques, such as predictive modelling and trend analysis, SLU would be able to forecast future enrolment patterns, anticipate staffing needs, therefore reducing the likelihood of being short staffed in the events of circumstances such as strikes, with the ability to forecast future enrolment patterns SLU is also able to identify opportunities for student placements. Additionally, a data analytics platform would enable the university to conduct in-depth institutional research, studying various aspects of their educational system, including curriculum effectiveness, faculty performance, and student outcomes. By harnessing the data through a data analysis platform, SLU can position itself with an advantage of educational innovation and continuous improvement by making data-driven decisions to ensure the best possible experience for their students and faculty.

One other database technology that could offer a benefit is a student information system (SIS). An SIS software application manages and tracks student data that includes grades, attendance, and personal information. By implementing a SIS, the University would gain several benefits. It would improve the accuracy and accessibility of student data which by extension would make it easier for staff to manage and monitor student progress. This is beneficial because it would help provide better support to students, identify at-risk students who may need assistance, and improve overall student academic potential by emphasizing where support is needed most. Additionally, a SIS could streamline the management of student placements and internships. This would be done by providing a centralised database for placement opportunities; faculty could also more easily match students with suitable placements based on their interests, individual skills, and availability. This would also enable the ability to track the progress of student placements and monitor the quality of the experience provided by host organisations.

Furthermore, a SIS could improve communication and collaboration between faculty, staff, and students. By providing a one single platform for student data and communications, with this the University could foster a more connected and engaged learning community.

## Evidence of Contributions

### All Tasks

Task - Priority (Highest - Lowest)	Story Points	Task Description	Person Assigned
Write criteria for peer assessment	1	Write and post the group rules in the group blog. This will be used to mark against in the peer assessment.	All
Split up work	1	Split the work up between all 6 of us. Making sure to be fair as we do it.	All
Create APEX account	1	Create the APEX account which will be used to create and store our database system.	Dan
Header page	1	A header page which includes the name and ID of your team members and the username and password of the APEX account(s) containing your group's implemented tables and reports/queries	Dan
List of assumptions	2	Write a list of any assumptions/clarifications we have made that have affected the design of our database.	Reshad
Entity specification forms	3	Populate entity specification forms documenting all the entities (using the template provided).	Reshad, Shreyas, Mo
An ER diagram	5	Create an ER diagram (using 'Crow's foot' notation) providing the final design of the database, which shows entities, attributes, primary and foreign keys, and named relationships.	Harith, Dan
Table creation scripts	3	Provide table creation scripts for all the entities shown in your ER diagram (so first set each table up in APEX to make sure it runs without errors, then paste the code into your report).	Johnny
INSERT INTO scripts	3	A list of the SQL scripts (INSERT INTO ... commands) used to insert test data into each of your tables, annotated to show that there is sufficient breadth and volume of data to adequately test your queries/reports (see below).	Johnny, Harith
Query scripts	4	A list of 8 SQL queries that will meet the functional requirements of the database system.	Dan
Overview of security implementation	2	Brief overview of how you are going to implement database security for your system.	Shreyas
Other database technologies	2	Suggestions for other database or technologies that the organisation could make use of.	Mo
Evidence of group work and individual contributions	3	Evidence to show effective and timely project management using Scrum, the contribution of each member to the project, namely attendance at team meetings held in (and outside) your seminar sessions, sprint backlogs, tasks uploaded to the group's file Blackboard area and SQL scripts saved in members' APEX account(s).	All
Peer Assessment Form	1	Peer assessment form that each group member needs to submit as part of the Group Assignment submission	All

#### KEY

Done
WIP
Not Started

Info needs to be revised

### Sprint 1 3/Apr - 17/Apr

Task - Priority (Highest - Lowest)	Story Points	Date Completed	Task Description	Person Assigned
Write criteria for peer assessment	1	08 April 2023	Write and post the group rules in the group blog. This will be used to mark against in the peer assessment.	All
Split up work	1	08 April 2023	Split the work up between all 6 of us. Making sure to be fair as we do it.	All
Create APEX account	1	08 April 2023	Create the APEX account which will be used to create and store our database system.	Dan
List of assumptions	2	18 May 2023	Write a list of any assumptions/clarifications we have made that have affected the design of our database.	Reshad

### Sprint 2 17/Apr - 1/May

Task - Priority (Highest - Lowest)	Story Point	Date Completed	Task Description	Person Assigned
Entity specification forms	3	24 April 2023	Populate entity specification forms documenting all the entities (using the template provided).	Reshad, Shreyas, Mo
An ER diagram	5	22 April 2023	Create an ER diagram (using 'Crow's foot' notation) providing the final design of the database, which shows entities, attributes, primary and foreign keys, and named relationships.	Harith, Dan
Table creation scripts	3	10 May 2023	Provide table creation scripts for all the entities shown in your ER diagram (so first set each table up in APEX to make sure it runs without errors, then paste the code into your report).	Johnny

## 2/May - 22/May

22/May - 28/May

## Group 4 Meetings

[illegible]