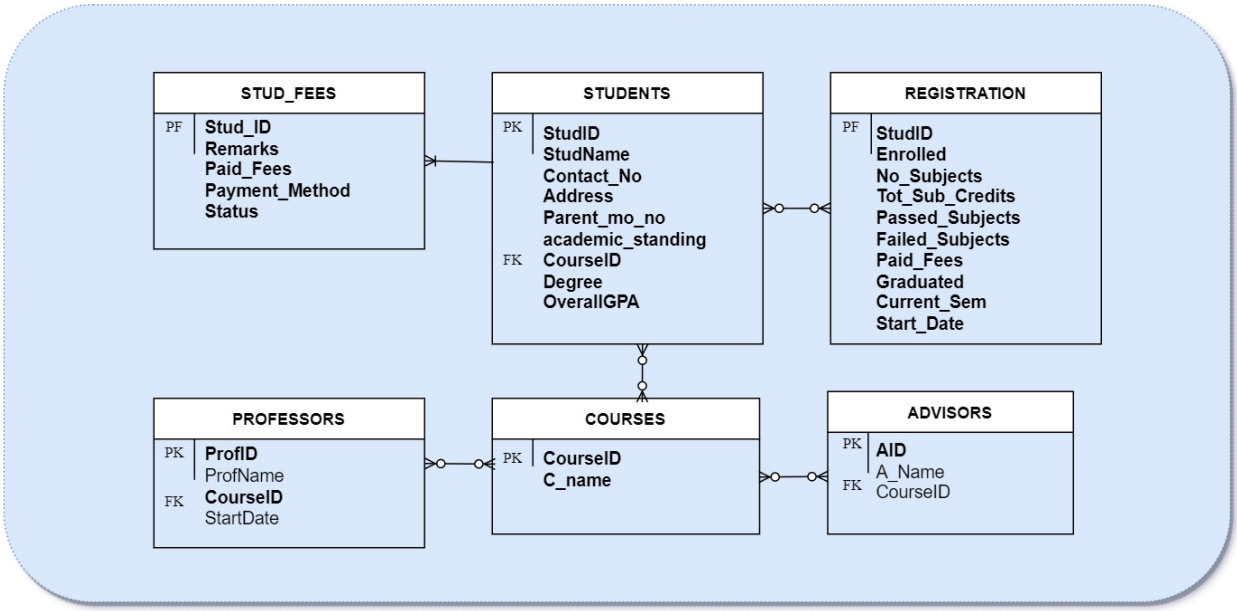
Group Members Name:

Name: Prince Jodhani Student ID: 149455206

Name: Juvairiya Shaikh Studen ID: 145185203

Name: Juan Castel Student ID: 147891204

ER Diagram of College registration system



Procedures created for tables:

Prince Jodhani	Juvairiya Shaikh	Juan Castel
Students	Professors	Stud_Fees
Registration	Advisors	Courses

Students Table Module

```
********** Student Module Procedures **********
Input is 12
**********
```

spStudentsInsert:

Description: Insert stud_id to students table given by user input and it's dummy record. It will output with success or not.

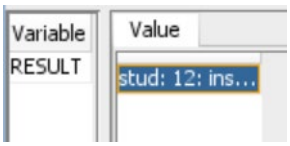
Input Parameter:

Input	Type
sid	Integer

Meaningful Error Handling:

Error	Description
If row count 0	Stud: (input) is already exist
If row count is not 0	Stud: (input) inserted successfully

PLSQL output:



C++ output:

```
Insert procedure input : 12
stud: 12: inserted successfully
----------------------------------------
```

spStudentsSelect:

Description: Select particular record given by user input from the students Table.

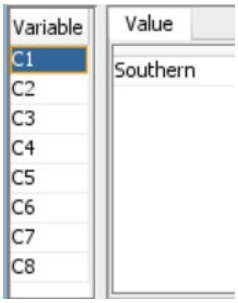
Input Parameter:

Input	Type
sid	Integer

Meaningful Error Handling:

Error	Description
If row count 0	No any Row found for Select
If row count is not 0	Send data to out variables.

PLSQL output:



C++ output:

```
 Select procedure Student Table
Stud ID |  Student Name  | Contact Number |       Address        | Parent Mobile | Academic Standing | CourseID |   Degree   | Overall GPA |
-------------------------------------------------------------------------------------------------------------------------------------------
12        Southern         6545234494       33 Dixie Ct             254365754             good            1              CPA          4
```

spStudentsUpdate:

Description: updating the email to ‘new@myseneca.ca’ of stud_id based on user input. It will give result output as updated or not.

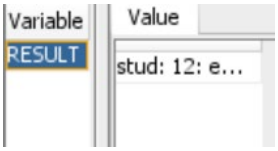
Input Parameter:

Input	Type
sid	Integer

Meaningful Error Handling:

Error	Description
If row count 0	This student id is not exist to update
If row count is not 0	Stud: (input) : email updated

PLSQL output:



C++ output:

```
Update procedure input : 12
stud: 12: email updated
----------------------------------------
```

spStudentsDelete:

Description: Deleting particular record based on stud_id input given by user. And it will provide weather it is deleted or not.

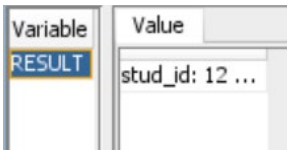
Input Parameter:

Input	Type
sid	Integer

Meaningful Error Handling:

Error	Description
If row count 0	No any row found for delete
If row count is not 0	stud_id: (input) deleted successfully

PLSQL output:



C++ output:

```
Delete procedure input : 12
stud_id: 12 deleted successfully
----------------------------------------
```

Registration Table Module

```
********** Registration Procedure Module **********
input is 12
**********************************************************************************************************
```

spRegistrationInsert:

Description: Insert stud_id to registration table giver by user input. It will output with success or not.

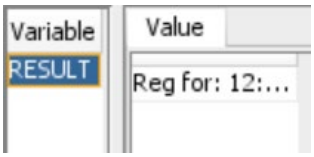
Input Parameter:

Input	Type
sid	Integer

Meaningful Error Handling:

Error	Description
If row count 0	Stud: (input) is already exist
If row count is not 0	Reg for: (input) inserted

PLSQL output:



C++ output:

```
Insert Procedure input: 12
Reg for: 12: inserted!
----------------------------------------
```

spRegistrationSelect:

Description: Select particular record given by user input from the Registration Table.

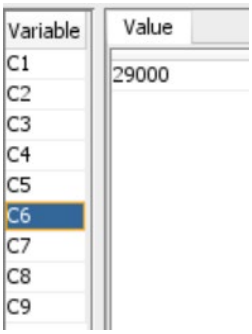
Input Parameter:

Input	Type
sid	Integer

Meaningful Error Handling:

Error	Description
If row count 0	No any Row found for Select
If row count is not 0	Send data to out variables.

PLSQL output:



C++ output:

```
 registration Table
---------------------
Stud ID | Enrolled | noOfSubjects | Tot Credits | Passed Sub | Failed Sub | Fees Paid | Graduated | Current Sem | Start Date    |
-------------------------------------------------------------------------------------------------------------------------------
12        Y          5              15            15           2            29000       NO          2             26 NOV 2020
```

spRegistrationUpdate:

Description: updating the enrolled to 'N' of stud_id based on user input. It will give result output as updated or not.

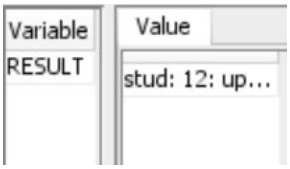
Input Parameter:

Input	Type
sid	Integer

Meaningful Error Handling:

Error	Description
If row count 0	This student id is not exist to update
If row count is not 0	Stud: (input) : updated!

PLSQL output:



C++ output:

```
Update procedure input : 12
stud: 12: updated!
----------------------------------------
```

spRegistrationDelete:

Description: Deleting particular record based on stud_id input given by user. And it will provide weather it is deleted or not.

Input Parameter:

Input	Type
sid	Integer

Meaningful Error Handling:

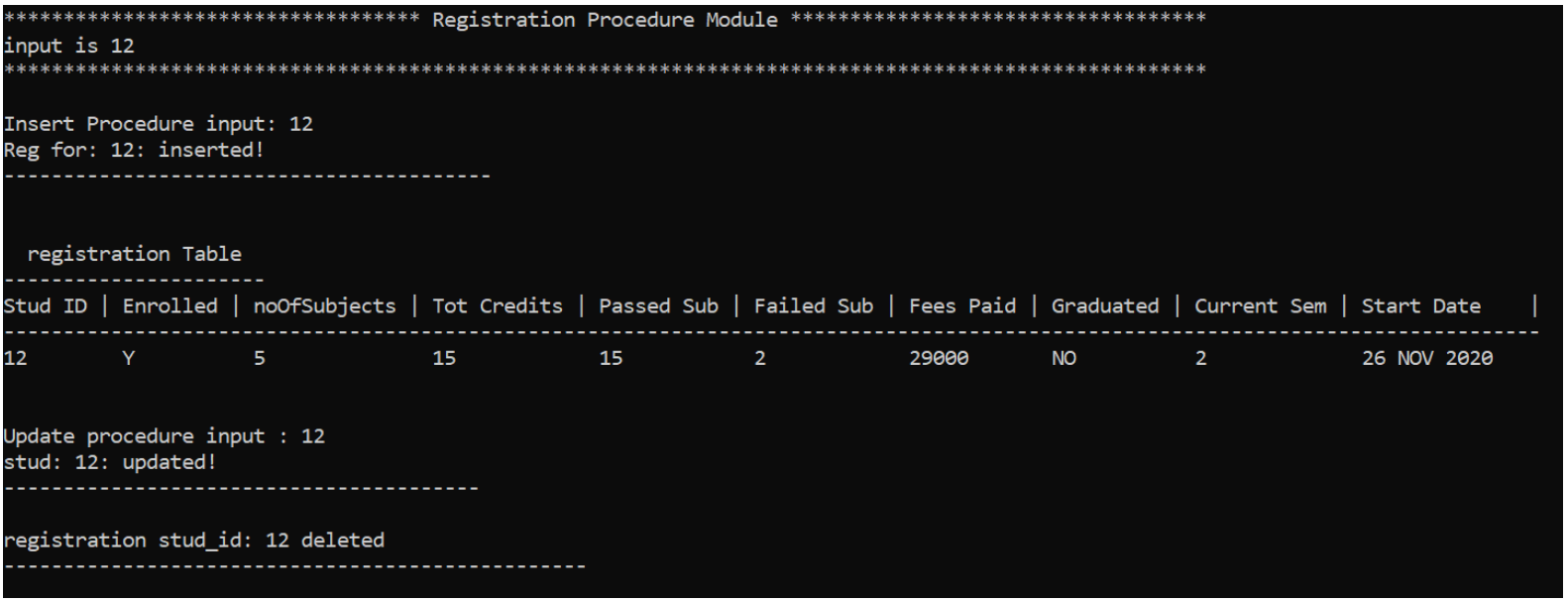
Error	Description
If row count 0	No any row found for delete
If row count is not 0	Registration stud_id: (input) deleted

PLSQL output:

C++ output:

```
registration stud_id: 12 deleted
------------------------------------------------
```

This is the whole c++ terminal screenshot



```
********************************** Registration Procedure Module **********************************
input is 12
***************************************************************************************************

Insert Procedure input: 12
Reg for: 12: inserted!
----------------------------------------


  registration Table
---------------------
Stud ID | Enrolled | noOfSubjects | Tot Credits | Passed Sub | Failed Sub | Fees Paid | Graduated | Current Sem | Start Date    |
---------------------------------------------------------------------------------------------------------------------------------
12        Y          5              15            15           2            29000       NO          2             26 NOV 2020


Update procedure input : 12
stud: 12: updated!
----------------------------------------

registration stud_id: 12 deleted
------------------------------------------------
```

spProfessorsInsert:

Description: Insert profID to Professors table given by user input and its dummy record. It will output with success or not

Input Parameter:

Input	Type
profID	Integer

Meaningful Error Handling:

Error	Description
If row count is 0	Prof: (input) already exists
If row count is not 0	Prof: (input) inserted successfully

spProfessorsUpdate:

Description: Update ProfID to Professors table given by user input and its dummy record. It will output with success or not

Input Parameter:

Input	Type
profID	Integer

Meaningful Error Handling:

Error	Description
If row count is 0	Prof: (input) already exists
If row count is not 0	Prof: (input) updated successfully

spProfessorsDelete:

Description: Delete profID to Professors table given by user input and its dummy record. It will output with success or not

Input Parameter:

Input	Type
profID	Integer

Meaningful Error Handling:

Error	Description
If row count is 0	Prof: (input) already exists
If row count is not 0	Prof: (input) deleted successfully

C++ output:

```
--------------------------------------------------------------------------
In professors Table: 1 row Inserted successfully for input 10
--------------------------------------------------------------------------
In professors Table: 0 row updated! for input 10
--------------------------------------------------------------------------
In professors Table: 0 row deleted successfully for input 10
```

spAdvisorsInsert:

Description: Insert AID to Advisors table given by user input and its dummy record. It will output with success or not

Input Parameter:

Input	Type
AID	Integer

Meaningful Error Handling:

Error	Description
If row count is 0	Adv: (input) already exists
If row count is not 0	Adv: (input) inserted successfully.

spAdvisorsUpdate:

Description: Update AID to Advisors table given by user input and its dummy record. It will output with success or not

Input Parameter:

Input	Type
AID	Integer

Meaningful Error Handling:

Error	Description
If row count is 0	Adv: (input) already exists
If row count is not 0	Adv: (input) updated successfully.

spAdvisorsDelete:

Description: Delete AID to Advisors table given by user input and its dummy record. It will output with success or not

Input Parameter:

Input	Type
AID	Integer

Meaningful Error Handling:

Error	Description
If row count is 0	Adv: (input) already exists
If row count is not 0	Adv: (input) deleted successfully.

C++ output:

```
-------------------------------------------------------------------------
In advisors Table: 1 row Inserted successfully for input 11
-------------------------------------------------------------------------
In advisors Table: 0 row updated! for input 11
-------------------------------------------------------------------------
In advisors Table: 0 row deleted successfully for input 11
```

```
********************************** Student Module Procedures **********************************
Input is 12
*************************************************************************************************

Insert procedure input : 12
stud: 12: inserted successfully
-----------------------------------------


 Select procedure Student Table
Stud ID |  Student Name  | Contact Number |       Address         | Parent Mobile | Academic Standing | CourseID |   Degree   | Overall GPA |
-------------------------------------------------------------------------------------------------------------------------------------------
12        Southern         6545234494       33 Dixie Ct             254365754             good            1               CPA          4


Update procedure input : 12
stud: 12: email updated
-----------------------------------------


Delete procedure input : 12
stud_id: 12 deleted successfully
-----------------------------------------
```

First Table: STUD_FEES TABLE

Procedure insert_fees:

Description: Insert stdId to the stud_fees table given by user in the input to insert a new fee

Input Parameter:

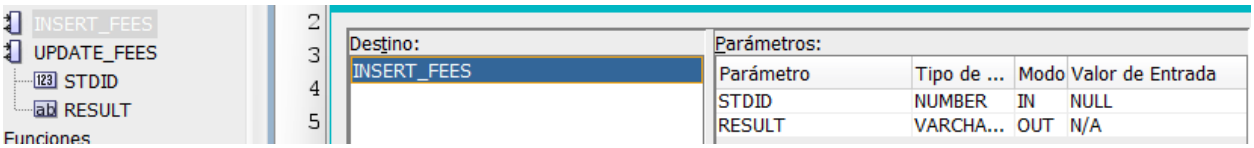
Input	Type
stdId	Number

Meaningful Error Handling:

If row count 0 -> Insertion was done

If row count is not 0 -> Insertion Succesfuly

PLSQL Output:



First Table: STUD_FEES TABLE

Procedure update_fees :

Description: Insert stdId to the stud_fees table given by user in the input to update any category in the table

Input Parameter:

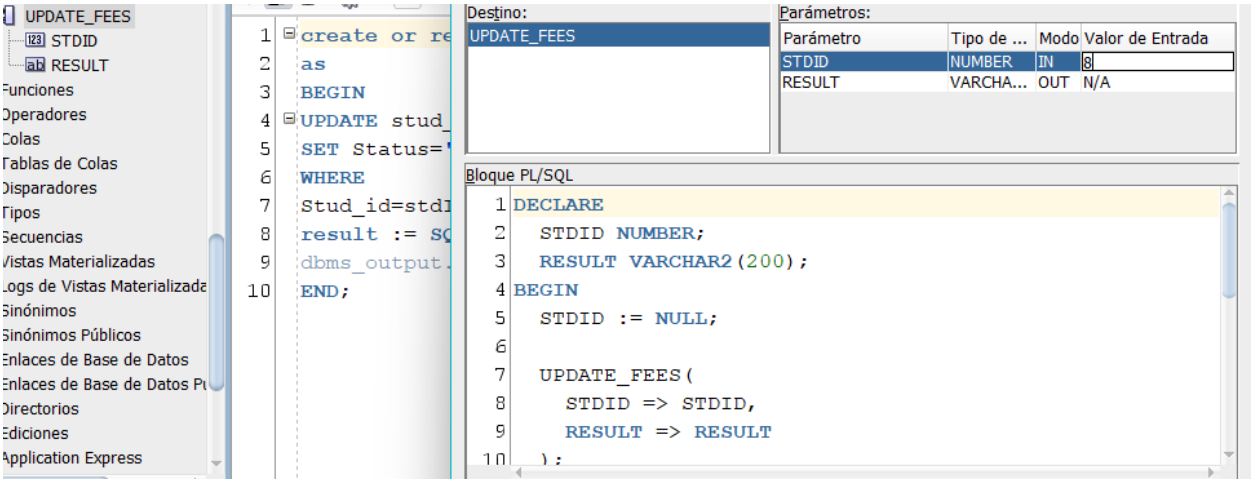
Input	Type
stdId	Number

Meaningful Error Handling:

If row count 0 -> Update was done

If row count is not 0 -> Update Succesfuly

PLSQL Output:



First Table: COURSES TABLE

Procedure update_fees :

Description: Insert crsId to the courses table given by user in the input to delete the specific course

Input Parameter:

Input	Type
crsId	Number

Meaningful Error Handling:

If row count 0 -> Delete was done

If row count is not 0 -> Delete Succesfuly

PLSQL Output: