# **DBMS Lab Assignment 3**

# Team 4

# **B M Kalpajeet**

#### 19BCS117

1.Add, Modify and Delete Column using Alter Command

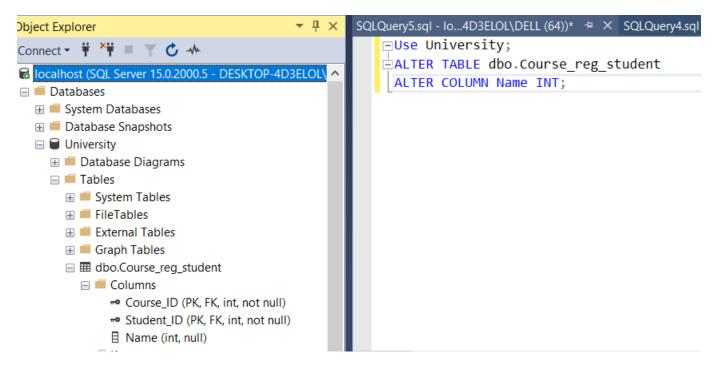
#### Query:

To add column "Name" of datatype varchar(255) to T4\_Course\_reg\_student

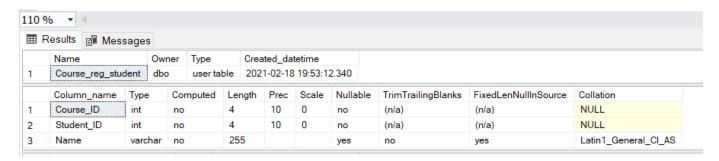
Use University;

ALTER TABLE dbo.Course reg student

ADD Name varchar(255);



#### Schema of table:



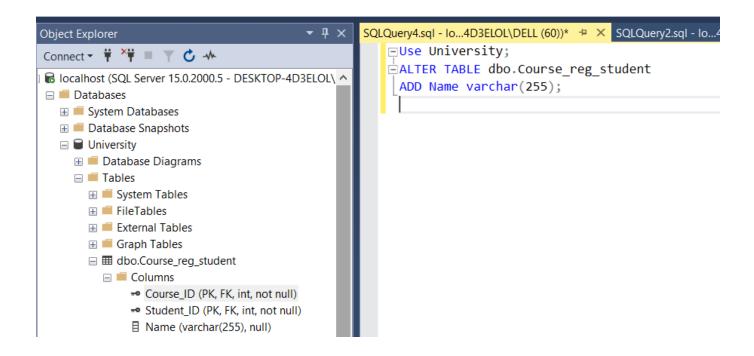
#### **Query:**

To modify datatype of "Name" column from varchar to integer.

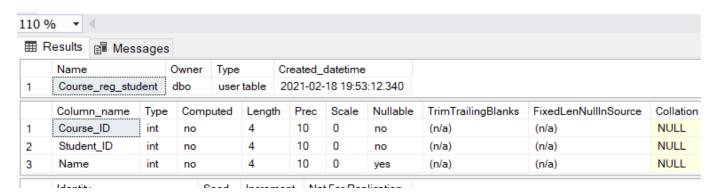
Use University;

ALTER TABLE dbo.Course\_reg\_student

**ALTER COLUMN Name INT** 



#### Schema of table:



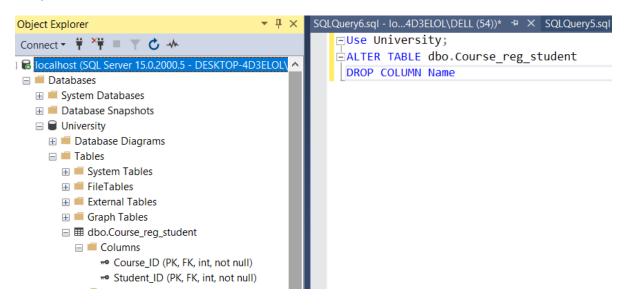
#### Query:

# To drop column "Name" from T4\_Course\_reg\_student

Use University;

ALTER TABLE dbo.Course\_reg\_student

**DROP COLUMN Name** 



#### Schema of table:



#### 2. Insert 20 Employees Data into all the tables. (Use all the 3 methods)

#### Query:

#### For inserting data into T4\_Department:

INSERT INTO T4\_Department

VALUES ('AI', 'A-01');

INSERT INTO T4\_Department

```
VALUES ('CSE', 'C-02');
INSERT INTO T4_Department
VALUES ('ECE', 'E-03');
INSERT INTO T4_Department
VALUES ('BT', 'B-04');
INSERT INTO T4_Department
VALUES ('ME', 'M-05');
INSERT INTO T4_Department
VALUES ('CVE', 'CV-06');
INSERT INTO T4_Department
VALUES ('PHY', 'PH-07');
INSERT INTO T4_Department
VALUES ('MATH', 'MAT-08');
INSERT INTO T4_Department
VALUES ('IT', 'IT-09');
INSERT INTO T4_Department
VALUES ('EEE', 'EE-10');
INSERT INTO T4_Department
VALUES ('AERO', 'AR-11');
INSERT INTO T4_Department
VALUES ('HSE', 'HS-12');
```

	Department_Name	Location_
1	AERO	AR-11
2	Al	A-01
3	BT	B-04
4	CSE	C-02
5	CVE	CV-06
6	ECE	E-03
7	EEE	EE-10
8	HSE	HS-12
9	IT	IT-09
10	MATH	MAT-08
11	ME	M-05
12	PHY	PH-07

#### For inserting data into T4\_Faculty:

All four methods of inserting shown here-

- 1) Implicitly inserting data (without providing column names)
- 2) Specifying column names for insertion explicitly
- 3) Importing data from another table
- 4) Using SELECT INTO (creates new table)

# Query:

```
/* Method 1 of insertion: Implicitly inserting data*/
INSERT INTO T4_Faculty
VALUES (100, 'AI', 1, 'Virat', 'Kohli', 51188);
```

/\* Method 2 of insertion: Specifying column names for insertion\*/
INSERT INTO T4\_Faculty (Faculty\_ID ,Department\_Name, HOD, FirstName, LastName, Phone)
VALUES (101, 'CSE', 0, 'Rohit', 'Sharma', 30487);

```
/* Temporary table for importing data into T4 Faculty*/
CREATE TABLE Faculty Record
      Faculty ID int PRIMARY KEY NOT NULL,
      Department Name varchar(255) FOREIGN KEY REFERENCES
T4 Department (Department Name) NOT NULL,
      HOD bit NOT NULL,
      FirstName VARCHAR(255) NOT NULL,
      LastName VARCHAR(255),
      Phone INT NOT NULL
)
INSERT INTO Faculty Record
VALUES (102, 'CSE', 1, 'Mahendra Singh', 'Dhoni', 70781);
/* Method 3 of insertion: Importing data from another table*/
INSERT INTO T4 Faculty (Faculty ID , Department Name, HOD, FirstName, LastName, Phone)
 SELECT *
 FROM Faculty Record
 WHERE Faculty ID = 102
/* Method 4 of insertion: Using SELECT INTO (creates new table)*/
SELECT
      103 AS Faculty ID,
      'AI' AS Department Name,
      0 AS HOD,
      'Ajinkya' AS FirstName,
      'Rahane' AS LastName,
      60688 AS Phone
INTO Test_Table;
INSERT INTO T4 Faculty
VALUES
(103, 'CSE', 0, 'Mithali', 'Raj', 05059),
(104, 'AI', 0, 'Ajinkya', 'Rahane', 60688),
```

```
(105, 'ECE', 1, 'Shubhman', 'Gill', 70895), (106, 'ECE', 0, 'Harleen', 'Deol', 66666), (107, 'BT', 1, 'Jasprit', 'Bumrah', 99999), (108, 'BT', 0, 'Ekta', 'Bisht', 54545), (109, 'AERO', 0, 'Hardik', 'Pandya', 23232), (110, 'AERO', 1, 'Ravi', 'Ashwin', 11116), (111, 'ME', 1, 'Ravindra', 'Jadeja', 33890), (112, 'MATH', 1, 'Che', 'Pujara', 80806), (113, 'ME', 0, 'Kuldeep', 'Yadav', 93947), (114, 'CVE', 1, 'Smriti', 'Mandhana', 11112), (115, 'CVE', 0, 'Md', 'Siraj', 99998), (116, 'CVE', 0, 'Yuz', 'Chahal', 11117), (117, 'ECE', 0, 'Rishabh', 'Pant', 11116), (118, 'HSE', 1, 'Shikhar', 'Dhawan', 11114), (119, 'AI', 0, 'Bhuvi', 'Kumar', 11113);
```

■ Results						
	Faculty_ID	Department_Name	HOD	FirstName	LastName	Phone
1	100	Al	1	Virat	Kohli	51188
2	101	CSE	0	Rohit	Sharma	30487
3	102	CSE	1	Mahendra Singh	Dhoni	70781
4	103	CSE	0	Mithali	Raj	5059
5	104	Al	0	Ajinkya	Rahane	60688
6	105	ECE	1	Shubhman	Gill	70895
7	106	ECE	0	Harleen	Deol	66666
8	107	BT	1	Jasprit	Bumrah	99999
9	108	BT	0	Ekta	Bisht	54545
10	109	AERO	0	Hardik	Pandya	23232
11	110	AERO	1	Ravi	Ashwin	11116
12	111	ME	1	Ravindra	Jadeja	33890
13	112	MATH	1	Che	Pujara	80806
14	113	ME	0	Kuldeep	Yadav	93947
15	114	CVE	1	Smriti	Mandha	11112
16	115	CVE	0	Md	Siraj	99998
17	116	CVE	0	Yuz	Chahal	11117
18	117	ECE	0	Rishabh	Pant	11116
19	118	HSE	1	Shikhar	Dhawan	11114
20	119	Al	0	Bhuvi	Kumar	11113

# For inserting data into T4\_Student: Query:

# INSERT INTO T4\_Student

#### **VALUES**

```
('0001', 'Steve', 'Smith', 490, '1989-06-02', 'M'),
```

('0002', 'Pat', 'Cummins', 300, '1993-05-08', 'M'),

('0003', 'David', 'Warner', 250, '1986-10-27', 'M'),

('0004', 'Mitchell', 'Starc', 185, '1990-01-30', 'M'),

('0005', 'Josh', 'Philippe', 101, '1997-06-01', 'M'),

('0006', 'Alyssa', 'Healy', 166, '1990-03-24', 'F'),

('0007', 'Meg', 'Lanning', 165, '1992-03-25', 'F'),

```
('0008', 'Ellyse', 'Perry', 168, '1990-11-03', 'F'),
('0009', 'Rachel', 'Haynes', 170, '1986-12-26', 'F'),
('0010', 'Ashleigh', 'Gardner', 166, '1997-04-15', 'F'),
('0011', 'Joe', 'Root', 200, '1990-12-30', 'M'),
('0012', 'Eoin', 'Morgan', 201, '1986-09-10', 'M'),
('0013', 'Sam', 'Curran', 202, '1998-06-03', 'M'),
('0014', 'Jos', 'Buttler', 203, '1990-09-08', 'M'),
('0015', 'Stuart', 'Broad', 204, '1986-06-24', 'M'),
('0016', 'Heather', 'Knight', 205, '1990-12-26', 'F'),
('0017', 'Nat', 'Sciver', 206, '1992-08-20', 'F'),
('0018', 'Sarah', 'Taylor', 207, '1989-05-20', 'F'),
('0019', 'Amy', 'Jones', 208, '1993-06-13', 'F'),
('0020', 'Danni', 'Wyatt', 209, '1991-04-22', 'F')
;
```

■ Results						
	Student_ID	first_Name	last_Name	Phone_num	Date_of_birth	Gender
1	1	Steve	Smith	490	1989-06-02	M
2	2	Pat	Cummins	300	1993-05-08	M
3	3	David	Warner	250	1986-10-27	М
4	4	Mitchell	Starc	185	1990-01-30	М
5	5	Josh	Philippe	101	1997-06-01	M
6	6	Alyssa	Healy	166	1990-03-24	F
7	7	Meg	Lanning	165	1992-03-25	F
8	8	Ellyse	Perry	168	1990-11-03	F
9	9	Rachel	Haynes	170	1986-12-26	F
10	10	Ashleigh	Gardner	166	1997-04-15	F
11	11	Joe	Root	200	1990-12-30	M
12	12	Eoin	Morgan	201	1986-09-10	М
13	13	Sam	Curran	202	1998-06-03	M
14	14	Jos	Buttler	203	1990-09-08	M
15	15	Stuart	Broad	204	1986-06-24	M
16	16	Heather	Knight	205	1990-12-26	F
17	17	Nat	Sciver	206	1992-08-20	F
18	18	Sarah	Taylor	207	1989-05-20	F
19	19	Amy	Jones	208	1993-06-13	F
20	20	Danni	Wyatt	209	1991-04-22	F

#### For inserting data into T4\_Course\_offered:

```
INSERT INTO T4_Course_offered VALUES
(1101, 'AI', 104, 12, 'Programming'),
(1301, 'AI', 100, 12, 'ML'),
(2201, 'CSE', 102, 8, 'DSA'),
(11202, 'AERO', 110, 12, 'Aerodynamics'),
(5103, 'ME', 111, 4, 'Solid Mechanics'),
(3101, 'ECE', 105, 6, 'Digital Logic'),
(3204, 'ECE', 106, 12, 'Computer Organization'),
(8301, 'MATH', 112, 12, 'Scientific Computing'),
(6202, 'CVE', 114, 10, 'Structural Analysis'),
(4102, 'BT', 108, 8, 'Biology'),
```

```
(12205, 'HSE', 118, 6, 'Economics'),
(4305, 'BT', 107, 12, 'Genetics')
:
```

	Course_ID	Department_Name	Faculty_ID	Duration	Course_name
1	1101	Al	104	12	Programming
2	1301	Al	100	12	ML
3	2201	CSE	102	8	DSA
4	3101	ECE	105	6	Digital Logic
5	3204	ECE	106	12	Computer Organization
6	4102	BT	108	8	Biology
7	4305	BT	107	12	Genetics
8	5103	ME	111	4	Solid Mechanics
9	6202	CVE	114	10	Structural Analysis
10	8301	MATH	112	12	Scientific Computing
11	11202	AERO	110	12	Aerodynamics
12	12205	HSE	118	6	Economics

# For inserting data into T4\_Course\_reg\_student:

```
INSERT INTO T4_Course_reg_student
VALUES
(1301, 7),
(8301, 19),
(1301, 12),
(3204, 2),
(4305, 5),
(5103, 16),
(2201, 13),
(6202, 1),
(1101, 10),
```

```
(11202, 2)
:
```

	_	J
	Course_ID	Student_ID
1	1101	10
2	1301	7
3	1301	12
4	2201	13
5	3204	2
6	4305	5
7	5103	16
8	6202	1
9	8301	19
10	11202	2

# **Inserting data into T4\_Research\_Projects:**

# **Query:**

```
INSERT INTO T4_Research_Projects
VALUES
('P-AI-18', 'NLP', 'Sentiment analysis'),
('P-EC-27', 'VLSI', 'FPGAs'),
('P-M-50', 'PDE', 'Soln of non linear PDE'),
('P-CS-36', 'Algo', 'NP complete'),
('P-BT-88', 'Bio', 'Downstream processing');
```

	Project_ID	Area_of_Research	Project_Name
1	P-AI-18	NLP	Sentiment analysis
2	P-BT-88	Bio	Downstream processing
3	P-CS-36	Algo	NP complete
4	P-EC-27	VLSI	FPGAs
5	P-M-50	PDE	Soln of non linear PDE

# Inserting data into T4\_Research\_Projects: <a href="Query:">Query:</a>

```
INSERT INTO Instructor_on_Research
VALUES
('P-AI-18', 119, '2019-08-18', NULL),
('P-EC-27', 117, '2020-02-03', NULL),
('P-CS-36', 103, '2020-07-08', NULL)
;

INSERT INTO Instructor_on_Research
VALUES
('P-M-50', 112, '2017-10-01', '2021-02-14'),
('P-BT-88', 108, '2017-11-01', '2021-02-17')
;

Output:
```

		_		
	Project_ID	Faculty_ID	Date_from	Date_to
1	P-AI-18	119	2019-08-18	NULL
2	P-BT-88	108	2017-11-01	2021-02-17
3	P-CS-36	103	2020-07-08	NULL
4	P-EC-27	117	2020-02-03	NULL
5	P-M-50	112	2017-10-01	2021-02-14

# 3. Show Violation of Primary Key, Unique Not Null and default key constraints through

#### Insertion.

# Query:

# Violation of primary key:

```
USE University;
INSERT INTO T4_Department
VALUES (null, 'A-01');

USE University;
INSERT INTO T4_Department
VALUES ('AI', 'A-108');
```

```
USE University;
INSERT INTO T4_Department
VALUES (null, 'A-01');

Messages
Mag 515, Level 16, State 2, Line 2
Cannot insert the value NULL into column 'Department_Name', table 'University.dbo.T4_Department'; column does not The statement has been terminated.
```

```
UNIVERSITY;
INSERT INTO T4_Department

VALUES ('AI', 'A-108');

Messages

Mag 2627, Lavel 14, State 1, Line 2

Violation of PRIMARY KEY constraint 'PK_T4_Depar_OSAICFSSDE600DC2'. Cannot insert duplicate key in object 'dbo.T4_Department'. The duplicate key value is (AI).

The statement has been terminated.

Completion time: 2021-02-19710:14:57.9788484+05:30
```

# **Violation of Unique key:**

```
/* Creating temporary table for showing Unique key violation */
   _USE University;
   CREATE TABLE T4_Alumni_student
         Alumni_student_ID int PRIMARY KEY NOT NULL,
         first_Name varchar(255) NOT NULL,
         last_Name varchar(255),
         Phone_num int UNIQUE NOT NULL,
         Date_of_birth date NOT NULL,
         Gender varchar(3) NOT NULL
    INSERT INTO T4_Alumni_student
     ('0001', 'Steve', 'Smith', 490, '1989-06-02', 'M'),
   ('0002', 'Pat', 'Cummins', 490, '1993-05-08', 'M')
.00 % 🔻 🔻

    Messages

  Msg 2627, Level 14, State 1, Line 12
Violation of UNIQUE KEY constraint 'UQ_T4_Alumn_7DC10DF0DF781602'. Cannot insert duplicate key in object 'dbo.T4_Alumni_student'. The duplicate key value is (490)
  The statement has been terminated.
  Completion time: 2021-02-19T10:20:46.4708069+05:30
```

#### **Violation of NOT NULL:**

#### Query:

Use University;
INSERT INTO T4\_Department
VALUES ('CSE', null);

#### **Output:**

```
SQLQuery1sq1-LA...H72501\shres(54))* ** X

EUSe University;

EINSERT INTO T4_Department
VALUES ('CSE', null);

Messages

Mag 515, Level 16, State 2, Line 2
Cannot insert the value MULL into column 'Location_', table 'University.dbo.T4_Department'; column does not allow nulls. INSERT feels.

The statement has been terminated.

Completion time: 2021-02-19TIS:53:04.1885411+05:30
```

#### Violation of default key constraint:

#### Query:

Use University;

/\* Temporary table to show insertion of default data \*/
CREATE TABLE Faculty Record

```
(
Faculty_ID int PRIMARY KEY NOT NULL,
Department_Name varchar(255) NOT NULL,
HOD bit NOT NULL,
FirstName VARCHAR(255) NOT NULL,
LastName VARCHAR(255),
Phone INT NOT NULL
)

ALTER TABLE Faculty_Record
ADD PhD_from varchar(255) NULL
CONSTRAINT PhD_from DEFAULT 'IIT'
WITH VALUES;
INSERT INTO Faculty_Record
VALUES
(103, 'CSE', 0, 'Mithali', 'Raj', 05059);
```

Here, if we don't mention DEFAULT as a parameter in INSERT VALUES, it throws an error.

```
SQLQuery1.sql - LA...H725O1\shres (54))* + ×
          Faculty_ID int PRIMARY KEY NOT NULL,
          Department_Name varchar(255) NOT NULL,
         HOD bit NOT NULL,
         FirstName VARCHAR(255) NOT NULL,
         LastName VARCHAR(255),
         Phone INT NOT NULL
    ALTER TABLE Faculty_Record
         ADD PhD_from varchar(255) NULL
         CONSTRAINT PhD_from DEFAULT 'IIT'
         WITH VALUES;
    INSERT INTO Faculty_Record
     (103, 'CSE', 0, 'Mithali', 'Raj', 05059);
100 % ▼ <

    Messages

  Msg 213, Level 16, State 1, Line 16
Column name or number of supplied values does not match table definition
```

4. Insert tuples into the table and see how foreign key constraint works if you try to insert into dependent table first.

#### Query:

If we insert data into the dependent table first, then it will give a foreign key error, as the referred table does not have that value. Shown below:

```
INSERT INTO T4_Faculty VALUES ('120', 'Chem', 1, 'Harman', 'Kaur', 66666);
```

#### **Output:**

```
INSERT INTO T4_Faculty
VALUES ('120', 'Chem', 1, 'Harman', 'Kaur', 66666);

Messages
Msg 547, Level 16, State 0, Line 16
The INSERT statement conflicted with the FOREIGN KEY constraint "FK_T4_Facult_Depar_2BOA656D".
The conflict occurred in database "University", table "dbo.T4_Department", column 'Department_Name'.
The statement has been terminated.

Completion time: 2021-02-19T10:34:33.5332496+05:30
```

But when we insert into the base table first, and then inserting into the dependent table, it works.

#### Query:

```
INSERT INTO T4_Department
VALUES ('Chem', 'Ch-12');

INSERT INTO T4_Faculty
VALUES ('120', 'Chem', 1, 'Harman', 'Kaur', 66666);
```

		Jougoo				
	Faculty_ID	Department_Name	HOD	FirstName	LastName	Phone
11	110	AERO	1	Ravi	Ashwin	11116
12	111	ME	1	Ravindra	Jadeja	33890
13	112	MATH	1	Che	Pujara	80806
14	113	ME	0	Kuldeep	Yadav	93947
15	114	CVE	1	Smriti	Mandha	11112
16	115	CVE	0	Md	Siraj	99998
17	116	CVE	0	Yuz	Chahal	11117
18	117	ECE	0	Rishabh	Pant	11116
19	118	HSE	1	Shikhar	Dhawan	11114
20	119	Al	0	Bhuvi	Kumar	11113
21	120	Chem	1	Harman	Kaur	66666

Query executed successfully.

# 5. Show Violation of Foreign Key Constraint when you try to delete from a base table. If you get an error explain why deletion gives an error

There is a table name called T4\_Course\_offered with the following columns:

Course\_ID (int), Department\_Name (varchar(255)), Faculty\_ID (int), Duration (int), Course\_name (varchar(255))

Here, Faculty\_ID is a foreign key that references the T4\_Department table.

DELETE FROM T4\_Department WHERE Faculty\_id = 1

We get the error "update or delete on table "T4\_Department" violates foreign key constraint.

As Faculty\_ID is a foreign key in table T4\_Department; the reason you are unable to delete employee ID 1 is because Faculty\_ID 1 exists on T4\_Department. The system is trying to maintain

integrity of the database by preventing you from deleting an employee affiliated with T4\_Department

#### 6. Try to update a non-existing entity data and check for error.

Here we are trying to update **Student\_Id** to '9999' in **T4\_Student** whose **first\_name** is 'HiFi' but there does no exist **first\_name** = 'HiFi' in **T4\_Student**.

But it accepts the query and **showing no error.** 

```
SQLQuery5.sql - Io...4D3ELOL\DELL (54))*

SQLQuery4.sql - Io...4D3ELO

Update T4_Student
SET Student_ID = '9999'
Where first_Name = 'HiFi';

Messages

(0 rows affected)|

Completion time: 2021-02-19T15:31:16.5749514+05:30
```

#### 7. Add a column which has default value.

#### Query:

```
/* Temporary table to show insertion of default data */
CREATE TABLE Faculty Record
(
      Faculty ID int PRIMARY KEY NOT NULL,
      Department Name varchar(255) FOREIGN KEY REFERENCES
T4 Department (Department Name) NOT NULL,
      HOD bit NOT NULL,
      FirstName VARCHAR(255) NOT NULL,
      LastName VARCHAR(255),
      Phone INT NOT NULL
)
INSERT INTO Faculty_Record
VALUES
(103, 'CSE', 0, 'Mithali', 'Raj', 05059),
(104, 'AI', 0, 'Ajinkya', 'Rahane', 60688),
(105, 'ECE', 1, 'Shubhman', 'Gill', 70895),
(106, 'ECE', 0, 'Harleen', 'Deol', 66666),
(107, 'BT', 1, 'Jasprit', 'Bumrah', 99999),
(108, 'BT', 0, 'Ekta', 'Bisht', 54545)
ALTER TABLE Faculty_Record
  ADD PhD from varchar(255) NULL
  CONSTRAINT PhD from DEFAULT 'IIT'
  WITH VALUES;
```

#### **Output:**

/\* PhD from is the default column with 'IIT' as default data\*/

	_	J					
	Faculty_ID	Department_Name	HOD	FirstName	LastName	Phone	PhD_from
1	102	CSE	1	Mahendra Singh	Dhoni	70781	IIT
2	103	CSE	0	Mithali	Raj	5059	IIT
3	104	Al	0	Ajinkya	Rahane	60688	IIT
4	105	ECE	1	Shubhman	Gill	70895	IIT
5	106	ECE	0	Harleen	Deol	66666	IIT
6	107	BT	1	Jasprit	Bumrah	99999	IIT
7	108	BT	0	Ekta	Bisht	54545	IIT

# 8. 5 Simple Select queries to retrieve data from your database.

# **Query:**

SELECT first\_Name FROM T4\_Student WHERE Student\_ID IN ('003');

SELECT \* FROM T4\_Student WHERE Student\_ID IN ('003');

SELECT COUNT(\*) FROM T4\_Faculty;

SELECT Concat(first\_Name, ' ', last\_Name) FROM T4\_Student;

SELECT Student\_ID, first\_Name FROM T4\_Student;



# Results Messages Student\_ID first\_Name last\_Name Phone\_num Date\_of\_birth Gender David Warner 250 1986-10-27 M

■ Results(No column name)1 20

# 

ш	in Messages			
	(No column name)			
1	Steve Smith			
2	Pat Cummins			
3	David Warner			
4	Mitchell Starc			
5	Josh Philippe			
6	Alyssa Healy			
7	Meg Lanning			
8	Ellyse Perry			
9	Rachel Haynes			
10	Ashleigh Gardner			
11	Joe Root			
12	Eoin Morgan			
13	Sam Curran			
14	Jos Buttler			
15	Stuart Broad			
16	Heather Knight			
17	Nat Sciver			
18	Sarah Taylor			
19	Amy Jones			
20	Danni Wyatt			

	Student_ID	first_Name
1	1	Steve
2	2	Pat
3	3	David
4	4	Mitchell
5	5	Josh
6	6	Alyssa
7	7	Meg
8	8	Ellyse
9	9	Rachel
10	10	Ashleigh
11	11	Joe
12	12	Eoin
13	13	Sam
14	14	Jos
15	15	Stuart
16	16	Heather
17	17	Nat
18	18	Sarah
19	19	Amy
20	20	Danni

9. Show how Foreign key constraint affects updating a dependent table when value is not existing and in the base table where the value is referred and you want to update it.

We have tables T4\_Department and T4\_Faculty. In T4\_Faculty, the attribute named Department\_Name is the foreign key which references the T4\_Department table. Thus, T4\_Faculty is the dependent table and T4\_Department is the base table.

#### Query:

To show how foreign key constraints affect updating a dependent table when value does not exist:

```
/* We are trying to update the Department_Name (FK) to 'Mining' which does not exist. */
UPDATE T4_Faculty
SET Department_Name = 'Mining'
WHERE Faculty_ID = 105;
```

```
/* We are trying to update the Department_Name (FK) to 'Mining' which does not exist. */

□ UPDATE T4_Faculty

SET Department_Name = 'Mining'

WHERE Faculty_ID = 105;
```

```
Messages

Msg 547, Level 16, State 0, Line 227

The UPDATE statement conflicted with the FOREIGN KEY constraint "FK_T4_Facult_Depar_2B0A656D".

The conflict occurred in database "University", table "dbo.T4_Department", column 'Department_Name'.

The statement has been terminated.

Completion time: 2021-02-19T15:43:43.4745314+05:30
```