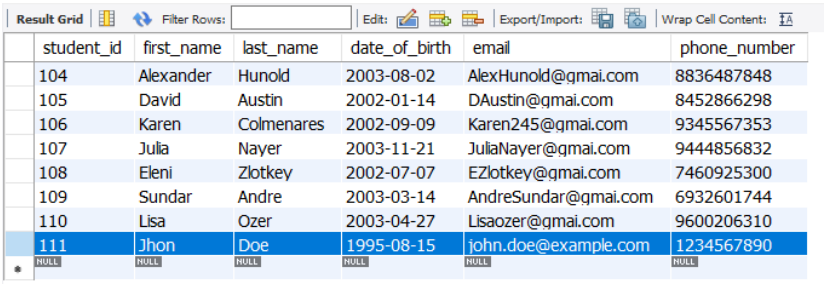
TASK 2 – Select, Where, Between, AND, LIKE:-

1. Write an SQL query to insert a new student into the "Students" table with the following details: a. First Name: John © Hexaware Technologies Limited. All rights www.hexaware.com b. Last Name: Doe c. Date of Birth: 1995-08-15 d. Email: john.doe@example.com e. Phone Number: 1234567890

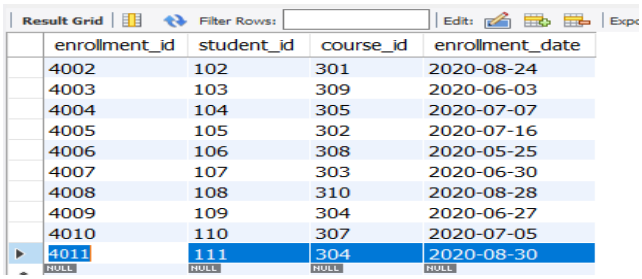
INSERT INTO students (first_name,last_name,date_of_birth,email,phone_number)VALUES ('Jhon','Doe','1995-08-15','john.doe@example.com', 1234567890);



student_id	first_name	last_name	date_of_birth	email	phone_number
104	Alexander	Hunold	2003-08-02	AlexHunold@gmai.com	8836487848
105	David	Austin	2002-01-14	DAustin@gmai.com	8452866298
106	Karen	Colmenares	2002-09-09	Karen245@gmai.com	9345567353
107	Julia	Nayer	2003-11-21	JuliaNayer@gmai.com	9444856832
108	Eleni	Zlotkey	2002-07-07	EZlotkey@gmai.com	7460925300
109	Sundar	Andre	2003-03-14	AndreSundar@gmai.com	6932601744
110	Lisa	Ozer	2003-04-27	Lisaozer@gmai.com	9600206310
111	Jhon	Doe	1995-08-15	john.doe@example.com	1234567890

2. Write an SQL query to enroll a student in a course. Choose an existing student and course and insert a record into the "Enrollments" table with the enrollment date.

INSERT INTO enrollments (student_id, course_id, enrollment_date) VALUES (111, 304, '2020-08-30');



enrollment_id	student_id	course_id	enrollment_date
4002	102	301	2020-08-24
4003	103	309	2020-06-03
4004	104	305	2020-07-07
4005	105	302	2020-07-16
4006	106	308	2020-05-25
4007	107	303	2020-06-30
4008	108	310	2020-08-28
4009	109	304	2020-06-27
4010	110	307	2020-07-05
4011	111	304	2020-08-30

3. Update the email address of a specific teacher in the "Teacher" table. Choose any teacher and modify their email address.

UPDATE Teacher
SET email = 'BrevinD@example.com'
WHERE teacher_id = 204;

Result Grid | Filter Rows: | Edit: | Export/Im

teacher_id	first_name	last_name	email
201	Douglas	Grant	Douglas.Grant@xyz.com
202	Kevin	Feeney	Kevin.Feeney@xyz.com
203	Samuel	McCain	Samuel.McCain@xyz.com
204	Brevin	Dice	BrevinD@example.com
205	Regina	Oleveria	Regina.Oleveria@xyz.com
206	John	Mathew	John.Mathew@xyz.com
207	Jim	Parker	Jim.Parker@xyz.com

4. Write an SQL query to delete a specific enrollment record from the "Enrollments" table. Select an enrollment record based on the student and course.

```
DELETE FROM enrollments
WHERE student_id=111 AND course_id=304;
```

Result Grid | Filter Rows: | Edit:

enrollment_id	student_id	course_id	enrollment_date
4004	104	305	2020-07-07
4005	105	302	2020-07-16
4006	106	308	2020-05-25
4007	107	303	2020-06-30
4008	108	310	2020-08-28
4009	109	304	2020-06-27
4010	110	307	2020-07-05
NULL	NULL	NULL	NULL

5. Update the "Courses" table to assign a specific teacher to a course. Choose any course and teacher from the respective tables.

```
UPDATE courses
SET teacher_id=204
WHERE course_id=310;
```

Result Grid | Filter Rows: | Edit:

course_id	course_name	credits	teacher_id
304	EIE	140	206
305	CES	145	204
306	CSBS	135	202
307	IT	135	209
308	MECHANICAL	140	201
309	AGRICULTURE	130	207
310	TEXTILE	125	204
NULL	NULL	NULL	NULL

6. Delete a specific student from the "Students" table and remove all their enrollment records from the "Enrollments" table. Be sure to maintain referential integrity.

```
DELETE FROM students
WHERE student_id=112;
```

```
59  09:48:09  DELETE FROM students WHERE student_id=112    1 row(s) affected    0.063 sec
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

student_id	first_name	last_name	date_of_birth	email	phone_number
106	Karen	Colmenares	2002-09-09	Karen245@gmai.com	9345567353
107	Julia	Nayer	2003-11-21	JuliaNayer@gmai.com	9444856832
108	Eleni	Zlotkey	2002-07-07	EZlotkey@gmai.com	7460925300
109	Sundar	Andre	2003-03-14	AndreSundar@gmai.com	6932601744
110	Lisa	Ozer	2003-04-27	Lisaozer@gmai.com	9600206310
111	Jhon	Doe	1995-08-15	john.doe@example.com	1234567890
NULL	NULL	NULL	NULL	NULL	NULL

7. Update the payment amount for a specific payment record in the "Payments" table. Choose any payment record and modify the payment amount.

```
UPDATE payments
SET amount = 54000
WHERE student_id = 107;
```

Result Grid | Filter Rows: | Edit:

payment_id	student_id	amount	payment_date
7	108	67000	2020-09-30
8	105	64000	2020-09-01
9	107	54000	2020-09-15
10	104	53000	2020-09-23
NULL	NULL	NULL	NULL